

# CURRICULUM VITAE



## MEDITERRANEAN JOURNAL OF CHEMISTRY

**Citizenship:** Moroccan  
Born in Angad (Oujda) Morocco

**Work Address:** Euromed University of Fes, 30070 Fes, Morocco  
& Department of Chemistry, Faculty of Science, University Mohammed Premier, B.P. 717, 60046 Oujda Morocco

Email : [b.hammouti@euromed.org](mailto:b.hammouti@euromed.org) ; [hammoutib@gmail.com](mailto:hammoutib@gmail.com); [b1.hammouti@ump.ac.ma](mailto:b1.hammouti@ump.ac.ma);

**Home Address:** 16 Bd Amamou Cheikh, Hay Andalous, 60000 Oujda, Morocco

Mobile : +212 668 632 273/

Email : [jmaterenvirosci@gmail.com](mailto:jmaterenvirosci@gmail.com) ; [hammoutib@gmail.com](mailto:hammoutib@gmail.com)

[www.mocedes.org](http://www.mocedes.org)



Historic Visit of His Majesty the King Mohammed VI to UMP, near Elsevier/Scopus Award, July 2, 2011



His Majesty the King Mohammed VI awarded Royal Wissam to Prof. Hammouti, July 30, 2015, Throne Day

[https://www.youtube.com/watch?v=-smhJp9CYXM&ab\\_channel=BelkheirHammouti](https://www.youtube.com/watch?v=-smhJp9CYXM&ab_channel=BelkheirHammouti)

## EVIDENCE OF EMPACT

2010 to Present	Editor of <b>Journal of Materials and Environmental Science</b> (ISSN: 2028-2508) ; <a href="http://www.jmaterenvirosci.com">www.jmaterenvirosci.com</a>
2013 to Present	Editor of <b>Moroccan Journal of Chemistry</b> (ISSN: 2351-812X) <a href="http://revues.imist.ma/?journal=morjchem&amp;page=index">http://revues.imist.ma/?journal=morjchem&amp;page=index</a>
2014 to Present	Editor of <b>Arabian Journal of Chemical &amp; Environmental Research</b> (ISSN: 2458-6544) <a href="http://www.mocedes.org/ajcer">http://www.mocedes.org/ajcer</a>
2015 to Present	Editor of <b>Maghrebian Journal of Pure &amp; Applied Science</b> (ISSN: 2351-715X) <a href="http://revues.imist.ma/?journal=mjpas&amp;page=index">http://revues.imist.ma/?journal=mjpas&amp;page=index</a>
2015 to Present	Editor of <b>Applied Journal of Environmental Engineering Science</b> , <a href="http://revues.imist.ma/?journal=AJEES&amp;page=index">http://revues.imist.ma/?journal=AJEES&amp;page=index</a>
2016 to Present	Editor of <b>Journal of Water Science &amp; Environment Technologies</b> (ISSN: 2351-715X) <a href="http://revues.imist.ma/?journal=JOWSET">http://revues.imist.ma/?journal=JOWSET</a>
2018 to Present	Editor of <b>Journal of Applied Science and Environmental Studies</b> (ISSN: 2605-7565) <a href="http://revues.imist.ma/index.php?journal=jases">http://revues.imist.ma/index.php?journal=jases</a>
2021 to Present	Editor of <b>EHEI Journal of Science and Technology</b> (ISSN: 2820-7769) <a href="https://revues.imist.ma/index.php/ehei-jst/index/">https://revues.imist.ma/index.php/ehei-jst/index/</a>
2023 to Present	Editor of <b>African Journal of Management Engineering and Technology</b> (ISSN: xxx-xxx) <a href="https://revues.imist.ma/index.php/ajmet">https://revues.imist.ma/index.php/ajmet</a>

## INTERNATIONAL AWARDS

<b>March, 2006</b>	Award of Elsevier as the most published author in Morocco since 2000
<b>April, 2013</b>	<b>الجائزة العربية للكيمياء - Arab Award in Chemistry 2013.</b>
<b>July 2015</b>	Decorated by the King of Morocco (Wissam)
<b>2019, 2021</b>	Award of Clarivate-Web of Science as Editor of Moroccan Journal of Chemistry



**Elsevier-Scopus Award-2006**



**Arab Award in Chemistry-2013**



**Clarivate Award-2019**



**WOS-Clarivate Award – 2019 & 2021**

## EDUCATION

### The itinerary to Full Professor:

**Primary School : Ecole Ibn Toumarte-Angad 1964-67, Ecole Ibn Baja 1967-70 ; Collège Pasteur 1970-75, Lycée Omar Ben Abdelaziz, Oujda 1975-78 ;**

**Faculté des Sciences Rabat 1978-81; Ecole Normale Supérieure Takaddoum Rabat 1981-91  
University Mohamed V in Rabat**

**Faculté des Sciences University Mohammed Premier Oujda 1991- 17July 2023  
**Euromed University of Fes, Fes, Morocco July/Sept 2023-ongoing****

**1978-83: BSci, University Mohammed V, Rabat, Morocco**

**1983-85: Master Sci, University Mohammed V, Rabat, Morocco**

**1989 : 3<sup>rd</sup> Cycle Thesis, University Mohammed V, ENS, Rabat, Acidity Sensors**

**1994 : PhD, University Mohammed Premier, Faculty of Science, Oujda, Corrosion,  
Mention : Very honourable with congratulations of the Jury**

**Visited Countries: France; Spain; USA; Saudi; Kuwait; Tunisia; Emirates; Belgium; Malaysia, Turkey, Jordan**

**Collaboration: Algeria; Belgium, Canada, China, Egypt; Emirates; France; Germany; Japan; Jordan, India; Indonesia; Palestine; Poland, Qatar; Nigeria, Lebanon; Saudi Arabia; Singapore; South Africa, South Korea, Spain; Tunisia; Turkey; Russia, USA;**

### LIST OF PUBLICATIONS

2024	2023	2022	2021	2020	2019-2016	2015-2012	2011-2006	2005-1995	Total
17	47	33	26	24	153	344	125	96	<b>868</b>

**H INDEX = 82 (SINCE MAR 2024 ON SCOPUS, 26478 CITATIONS,  
AUTHOR ID: [7004604370](https://www.scopus.com/authid/detail.uri?authorId=7004604370) <https://www.scopus.com/authid/detail.uri?authorId=7004604370>  
and <http://orcid.org/0000-0001-8581-5636>)**

**H INDEX = 98 & I<sub>10</sub> = 594 (SINCE MAR 2024 ON SCOLAR GOOGLE, 33938 CITATIONS)  
<https://scholar.google.fr/citations?user=przxyrqaaaaj&hl=fr&oi=sra&cstart=80&pagesize=60>  
[https://www.adscientificindex.com/country-ranking/?country\\_code=ma](https://www.adscientificindex.com/country-ranking/?country_code=ma)**

**Among the the top 2% world's most influential scientists according to Stanford University: 2020; 2021; 2022, 2023 & 2024**

---

---

## BOOKS

---

---

### Books (8):

DFT and Quantum Chemical Studies for Heterocyclic Compounds Used as Corrosion Organic Inhibitors (2012) A. Zarrouk, B. Hammouti & R. Touzani, LAP Lambert Ac. Publishing Ed. ISBN 978-3-659-21601-5, Chaps 1-5, pages 89.

<https://www.lap-publishing.com/catalog/details/store/ru/book/978-3-659-21601-5/dft-and-quantum-chemical-studies-for-heterocyclic-compounds>

Electrochemical Treatment of Aqueous Wastes Agricole, Published by LAP LAMBERT, Academic, (2013), ISBN:978-3-659-38037-2. Salghi R., Errami M., Hammouti B. <https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-659-38037-2/electrochemical-treatment-of-aqueous-wastes-agricole>

Molecular modelling Quantum Chemical Studies and Corrosion Inhibitors - Synthesis and Use of New Heterocyclic and polymers for the Protection of Steel in Acid Medium, A. Chetouani & B. Hammouti, ISBN: 978-3-659-39805-6, Lambert Academic Publishing, (2013) pp. 1-167 : <https://www.lap-publishing.com/system/covergenerator/build/84870>

Plant extract: An efficient Inhibitor of Steel Corrosion, Salghi Rachid, Dris Ben Hmamou, Belkheir Hammouti, Published by LAP LAMBERT, Academic, ISBN: 978-3-659-41003-1 (2013), pp.1-71 <https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-659-41003-1/plant-extract-an-efficient-inhibitor-of-steel-corrosion>

Antioxidant & Inhibitor Corrosion of *Ptychotis verticillata* Essential oils and solvent extracts of *Ptychotis verticillata* from Morocco; Edited by: Abdelhamid Bouyanzer, Belkheir Hammouti, El Mokhtar El Ouariachi; LAP LAMBERT Academic Publishing, Langue: Anglais; ISBN-10: 3659699772; ISBN-13: 978-3659699771, (2015)

Antioxidant & Inhibitor Corrosion of *Ptychotis verticillata* by Bouyanzer A., E.M. El Ouariachi, Hammouti B., Published by LAP LAMBERT, Academic, ISBN: 978-3-659-69977-1 (2015), <https://www.morebooks.de/store/gb/book/antioxidant-inhibitor-corrosion-of-ptychotis-verticillata/isbn/978-3-659-69977-1>

Corrosion Inhibition of steel by quinoxalines, F. El-Hajjaji, B. Hammouti, Y Karzazi, ISBN: 978-3-659-52951-1, Lambert Academic Publishing, (2016) pp.1-130 [www.morebooks.de/store/fr/book/corrosion-inhibition-of-steel-by-quinoxalines/isbn/978-3-659-52951-1](http://www.morebooks.de/store/fr/book/corrosion-inhibition-of-steel-by-quinoxalines/isbn/978-3-659-52951-1)

Chetouani A., hammouti B., salghi R., Physical-Chemical Study Generated Air pollution and Treated WasteWater, ISBN: 978-3-330-86794-9, Edit Univ. Europ. (2017)

Elmsellem H., Steli H., & Hammouti B. (2024) Towards a Pedagogical Revolution: Intergrating AI in Higher education, ISBN: 978-620-7-46923-9(1), LAP LAMBERT Academic Publishing, UK

### Book Chapter:

R. Salghi, M. Errami, B. Hammouti and L. Bazzi (2011). Electrochemical Detoxification of Obsolete Pesticides Stocks, Pesticides in the Modern World - Trends in Pesticides Analysis, Margarita Stoytcheva (Ed.), ISBN: 978-953-307-437-5, InTech, Available from: <http://www.intechopen.com/articles/show/title/electrochemical-detoxification-of-obsolete-pesticides-stocks>

Corrosion Inhibitors for the Preservation of Carbon Steel in Hydrochloric Acid Medium ByH. Zarrok, A. Zarrouk, F. Bentiss, B. Hammouti, H. Oudda Book Corrosion Science Edition 1st Edition First Published 2022 Imprint Apple Academic Press Pages 33 eBook ISBN 9781003328513

Eco-Friendly Inhibition Corrosion of Steel in Acidic Solution Using the Oils and Plants Extracts, M. Belkhaouda, R. Salghi, A. Anejjar, H. Lgaz, and B. Hammouti, Book Corrosion Science Edition 1st Edition First Published (2022) Imprint Apple Academic Press Pages 33 eBook ISBN 9781003328513

## LIST OF PUBLICATIONS

- 1) Hammouti B., Aouniti A., Taleb M., Brighli M., Kertit S., L-Methionine methyl ester hydrochlorid as corrosion inhibitor of iron in 1M HCl, **Corrosion**, 51 N°6 (1995) 411-416.
- 2) Bgugaine: a natural pyrrolidine alkaloid product as corrosion inhibitor of iron in HCl medium, **B. Hammouti**, S. Kertit, A. Melhaoui, **Bull. Electrochem.** 11 N°12 (1995) 553-555.
- 3) Electrochemical behaviour of parachloranil in carbon paste electrode in concentrated phosphoric acid media, **B. Hammouti**, **J. Electrochem. Soc. India** 45 N°3 (1996) 164-166.
- 4) 1-Phenyl-5-Mercapto-1,2,3,4-Tetrazole as corrosion inhibitor of iron in 1M HCl, S. Kertit, **B. Hammouti**. **Appl. Surf. Sci.** 93 N°1 (1996) 59-66.
- 5) Inhibition of the acid corrosion of iron with new pyrazole derivatives, A. Aouniti, **B. Hammouti**, M. Brighli, S. Kertit, F. Berhili, S. El Kadiri, A. Ramdani, **J. Chim. Phys.** 93 N°7-8 (1996) 1262-1280.
- 6) Some aminoacids as non-toxic inhibitors for the corrosion of aluminium alloy 6063 in deaerated carbonate solution, R. Salghi, **B. Hammouti**, S. Kertit, **Bull. Electrochem.** 13 N°10-11 (1997) 399-404.
- 7) Peptidic compounds as corrosion inhibitors of iron in acid chloride solution, S. Kertit, **B. Hammouti**, M. Taleb, M. Brighli. **Bull. Electrochem.** 13 N°6 (1997) 241-244.
- 8) Some aminoacids and aminoesters as non-toxic inhibitors for the corrosion of iron in 0.5M H<sub>2</sub>SO<sub>4</sub>, D. Bouzidi, S. Kertit, **B. Hammouti**, M. Brighli, **J. Electrochem. Soc. India** 46 N°1 (1997) 23-30.
- 9) In situ determination of acidity level in concentrated phosphoric acid solutions by potentiometric method at imposed current intensity, **B. Hammouti**, H. Oudda, A. Benayada, A. ElMaslout, J. Bessière, **Ber. Bunsenges. Phys. Chem.** 101 (1997) 65-69
- 10) Electrochemical behaviour of bgugaine as corrosion inhibitor of iron in HCl medium, **B. Hammouti**, A. Melhaoui, S. Kertit, **Bull. Electrochem.** 13 N°3 (1997) 97-98.
- 11) Realisation of ferrocene reference electrode Part.I: In concentrated H<sub>3</sub>PO<sub>4</sub> media, **B. Hammouti**, A. Benayada, A. ElMaslout, **Bull. Electrochem.** 13 N°12 (1997) 466-469.
- 12) New triazole derivatives as corrosion inhibitors for a carbon steel in 2M H<sub>3</sub>PO<sub>4</sub> solution, S. Kertit, K. Bekkouch, M. El Farissi, A. Aouniti, **B. Hammouti**. Proc. Int. Conf. on Corrosion, CONCORN'97, December 3-6, 97 Mumbai, India (1997) 672-678.
- 13) The inhibitive effect of some pyridines towards the corrosion of iron in hydrochloric acid solution, A. Aouniti, **B. Hammouti**, S. Kertit. **Bull. Electrochem.** 14N°6-7 (1998) 193-198.

- 14) 1-phenyl-5-mercapto-1,2,3,4-tetrazole: A novel corrosion inhibitor of copper-zinc alloy which is very effective in low concentration, S. Kertit, H. Essouffi, **B. Hammouti**, M. Benkaddour, **J. Chim. Phys.** 95(9) (1998) 2072-2082
- 15) Corrosion of steel in isoacidic 5.5M H<sub>3</sub>PO<sub>4</sub> solutions, **B. Hammouti**, K. Bekkouche, S. Kertit, **Bull. Electrochem.** 14(2) (1998) 49-51
- 16) Electrochemical behaviour of lead in 0.3M HCl presence of pyrazolic compounds, **B. Hammouti**, R. Salghi, S. Kertit, **J. Electrochem. Soc. India** 47 N°1 (1998) 31-34.
- 17) Inhibition de la corrosion d'un acier au carbone en milieu H<sub>3</sub>PO<sub>4</sub> 2M par des composés organiques de type « tetrazole », S. Kertit, K. Bekkouche, **B. Hammouti**, **Revue de Métallurgie : (Paris)**. 95 N°2 (1998) 251-257.
- 
- 18) A new bipyrazolic compound as corrosion Inhibitors for Armco iron in HCl media, F. Touhami, S. Kertit, **B. Hammouti**, A. Aouniti, **Ann. chim. Sci. Mat.**, 24 N°8 (1999) 581-586.
- 19) **Hammouti B.**, Oudda H., El Maslout A., Benayada A. (1999), A sensor for the in-situ determination of acidity level in concentrated sulfuric acid solutions by potentiometric method at imposed current intensity, **Fresenius'J. Analyt. Chem.** 365 N°4, 310-313
- 20) Corrosion inhibition of steel in 2M H<sub>3</sub>PO<sub>4</sub> by triazine compounds, K. Bekkouche, A. Aouniti, **B. Hammouti**, S. Kertit, **J. Chim. Phys.** 96 (1999) 838-850
- 21) Abed Y., Arrar Z., Aouniti A., **Hammouti B.**, Kertit S., Mansri A. (1999) An electrochemical study of the action of poly(4-vinylpyridine)polyoxyethylene) as inhibitor for iron in sulfuric acid solution, **J. Chim. Phys.** 96 N°8, 1347-1355.
- 22) Salghi R., Bazzi L., **Hammouti B.**, Kertit S., Bouchart A., El Alami Z. (2000), Effect of the addition of inorganic compounds on the corrosion behaviour of the 3003-aluminum alloy in bicarbonate solution, **Ann. chim. Sci. Mat. (Paris,1914)** 25(8), 593-600
- 23) R. Salghi, **B. Hammouti**, A. Aouniti, M. Berrabah, S. Kertit, Aminoacid compounds as corrosion inhibitors for lead in 0.3M HCl solution, **J. Electrochem. Soc. India** 49 N°1 (2000) 40-42
- 24) Abed Y., **Hammouti B.** (2000), Corrosion of steel in concentrated H<sub>2</sub>SO<sub>4</sub> solutions, **Bull. Electrochem.** 16 N°7, 296-298.
- 25) Realisation of ferrocene reference electrode Part.II: In concentrated HCl and H<sub>2</sub>SO<sub>4</sub> media, **B. Hammouti**, A. Benayada, A. El Maslout, **Bull. Electrochem.** 16 N°6 (2000) 283-284.
- 26) Electrochemical behaviour of aluminium alloy 6063 in deaerated carbonate solution in presence of pyrazolic compounds, R. Salghi, L. Bazzi, **B. Hammouti** S. Kertit, **Bull. Electrochem.** 16 N°6 (2000) 272-276.
- 27) New pyrazolic compounds as corrosion Inhibitors for iron Armco in HCl media, F. Touhami, A. Aouniti, Y. Abed, **B. Hammouti**, S. Kertit, A. Ramdani, **Bull. Electrochem.** 16 N°6 (2000) 245-249.
- 28) Corrosion Inhibition of Armco iron in HCl media by new bipyrazolic derivatives, F. Touhami, A. Aouniti, Y. Abed, **B. Hammouti**, S. Kertit, A. Ramdani, K. Elkacemi, **Corros. Sci.** 42 N°6 (2000) 929-940.
- 29) 1-Phenyl-5-mercapto-1,2,3,4-tetrazole (PMT) as corrosion inhibitor for nickel in sulphuric acid solution, H. Essouffi, S. Kertit, **B. Hammouti**, M. Benkaddour, **Bull. Electrochem.** 16 N°5 (2000) 205-208.
- 30) Electrochemical behaviour of aluminum alloy 3003 in carbonate solution in the presence of pyrazolic compounds, R. Salghi, L. Bazzi, **B. Hammouti**, A. Bouchart, S. Kertit, Z.A. Ait Addi, Z. EL Alami, **Ann. chim. Sci. Mat.**, 25 N°3 (2000) 187-200.
- 31) 2-mercapto-1-methylimidazole as corrosion Inhibitor of copper in aerated 3% NaCl solution, A. Dafali, **B. Hammouti**, A. Aouniti, R. Mokhlisse, S. Kertit, K. Elkacemi, **Ann. chim. Sci. Mat.**, 25 N°3 (2000) 437-446.
- 
- 32) Simulation of I-E curves of antimony in concentrated H<sub>3</sub>PO<sub>4</sub> solutions, M. Zerfaoui, M. Benkaddour, H. Oudda, **B. Hammouti**, **Ann. Chim. Sci. Mat.** 25 N°3 (2001) 85-92.
- 33) Effect of acidity level Ro(H) on the corrosion of steel in concentrated HCl solutions, M. Elouafi, Y. Abed, **B. Hammouti**, S. Kertit, **Ann. chim. Sci. Mat.**, 26 N°5 (2001) 79-84.
- 34) Corrosion inhibitors for lead in 0.3M HCl media by bipyrazolic compounds, R. Salghi, L. Bazzi, **B. Hammouti**, E. Zine, S. Kertit, S. El Issami, E. Ait Eddi, **Bull. Electrochem.** 17 N°9 (2001) 429-432.
- 35) Corrosion inhibition of three Fe-B based amorphous alloys in sulphuric acid medium by mercaptopheny-tetrazole, F. Chaouket **B. Hammouti**, S. Kertit, K. El Kacemi, **Bull. Electrochem.** 17 N°7 (2001) 311-320.
- 36) A sensor for the in-situ control of acidity level in concentrated hydrochloric acid solutions, **B. Hammouti**, H. Oudda, A. El Maslout, A. Benayada, **Abhath Al-yarmouk: "Basic Sci. & Eng."** 10 N°2A (2001) 273-279.
- 37) Realisation of ferrocene reference electrode Part.III: In concentrated perchloric acid media, **B. Hammouti**, **Bull. Electrochem.** 17 N°7 (2001) 335-336.
- 38) Poly(4-vinylpyridine) as corrosion inhibitors for iron in sulfuric acid solution, Y. Abed, **B. Hammouti**, S. Kertit, K. El Kacemi, A. Mansri **Bull. Electrochem.** 17 N°3 (2001) 105-110.
- 39) Imidazole derivatives as corrosion Inhibitors of copper in aerated 3% NaCl solutions, A. Dafali, **B. Hammouti**, S. Kertit, **J. Electrochem. Soc. Ind.** 50 N°2 (2001) 62-67.
- 40) Poly(4-vinylpyridine) derivative as corrosion inhibitors for Cu60-Zn40 in 0.5M HNO<sub>3</sub>, Y. Abed, A. Arrar, **B. Hammouti**, S. Kertit, M. Taleb, K. el Kacemi, A. Mansri, **Anti-Corros. Meth. Mater.** 48 N°5 (2001) 304-309.
- 41) Tryptophane as corrosion Inhibitor for iron Armco in acid chloride solution, A. Aouniti, **B. Hammouti**, Y. Abed, S. Kertit, **Bull. Electrochem.** 17 N°1 (2001) 13-17.
- 
- 42) Electrochemical polymerisation of benzothiophene, S. Elayyoubi, E.B. Maarouf, H. Oudda, **B. Hammouti**, **Bull. Electrochem.** 18 N°1 (2002) 45-46.
- 43) A new class of corrosion inhibitors of mild steel in hydrochloric acid solutions, S. Elayyoubi, **B. Hammouti**, H. Oudda, M. Zerfaoui, S. Kertit, A. Bouyanzer, **Trans. SAEST.** 37 N°1 (2002) 29-33.
- 44) Ouafi A., **Hammouti B.**, Oudda H., Kertit S., Touzani R., Ramdani A. (2002), New pyrazole derivatives as effective Inhibitors for the corrosion of mild steel in HCl medium, **Anti-Corros. Meth. Mater.** 49 N°3, 199-204.
- 45) Dafali A., **Hammouti B.**, Touzani R., Kertit S., Ramdani A., Elkacemi K. (2002), Corrosion Inhibition of copper in 3% NaCl solution by new bipyrazolic derivatives, **Anti-corros. Meth. & Mat.**, 49N°2, 96-104.
- 46) Corrosion inhibition of 6063 aluminum alloy by means of inorganic compounds in 3% sodium chloride solution, L. Bazzi, R. Salghi, E. Zine, S. El Issami, S. Kertit, **B. Hammouti**, **Can. J. Chim.** 80 N°1 (2002) 106-112.
- 47) Study of the inhibiting power of 2,9-chloromethyl-1,10-phenanthroline for the corrosion of mild steel in molar hydrochloric acid solution at 90°C, M. Elouafi, **B. Hammouti**, H. Oudda, T. Ben-hadda, S. Kertit, **Ann. chim. Sci. Mat.**, 26 N°2 (2002) 71-80.

- 48) New synthesised pyridazine derivatives as effective inhibitors for the corrosion of pure iron in 1M HCl medium, A. Chetouani, **B. Hammouti**, A. Aouniti, N. Benchat, T. Benhadda, **Prop. Org. Coat.** 45(4) (2002) 373-378.
- 49) Zerfaoui M., Oudda H., **Hammouti B.**, Benkaddour M., Kertit S., Zertoubi M., Azzi M., Taleb M., Electrochemical studies of the corrosion inhibition of methionine ethyl ester on iron in citric-chloride solution, **Revue de Métallurgie: (Paris)**. Vol.99 N° 12 (2002) 1105-1110.
- 50) Corrosion inhibition of brass in nitric acid solution by Boc-phenylalanine, Y. Abed, **B. Hammouti**, M. Taleb, S. Kertit, **Trans. SAEST**. 37 N°3&4 (2002) 92-102.
- 
- 51) Corrosion inhibition of iron in hydrochloric acid solutions by naturally henna A. Chetouani, **B. Hammouti**, **Bull. Electrochem.** 19 N°1 (2003) 23-25.
- 52) Substituted uraciles as corrosion Inhibitor of copper in aerated 3% NaCl solution, A. Dafali, **B. Hammouti**, R. Mokhlisse, S. Kertit, K. Elkacemi, **Corros. Sci.** 45 N°8 (2003) 1619–1630.
- 53) Corrosion inhibitors for hydrochloride acid solution by newly synthesised pyridazine derivatives, A. Chetouani, A. Aouniti, **B. Hammouti**, N. Benchat, T. Benhadda, S. Kertit, **Corros. Sci.** 45 N°8 (2003) 1675–1684.
- 54) Poly (4-vinylpyridine isopentyl bromide) as inhibitor for corrosion of pure iron in molar sulphuric acid, A. Chetouani, K. Medjahed, K. E. Benabadi, **B. Hammouti**, S. Kertit, A. Mansri, **Prog. Org. Coat.** 46 N°6 (2003) 312-316.
- 55) Impedance study on inhibition of mild steel corrosion in 1M HCl medium by 2,9-chloromethyl-1,10-phenanthroline, A. Elouafi, M. Kissi, **B. Hammouti**, T. Ben-Hadda, M. Azzi, M. Zertoubi, **Bull. Electrochem.** 19 N°3 (2003) 139-144
- 56) Effect of heat treatment on the corrosion resistance of titanium in 4M HCl, E. Chaieb, **B. Hammouti**, A. Tahani, S. Kertit, M. Benkaddour, **Trans. SAEST**, 38 N°2 (2003) 72-74.
- 57) Bazzi L., Salghi M., El Alami Z., Ait Addi E., El Issami S., Kertit S., **Hammouti B.** (2003), Comparative study of corrosion resistance for 6063 and 3003 aluminium alloys in chloride medium, **Rev Metall. Sci Mat**, N°12, 1227-1235.
- 58) bis [2-thiophene carboxylate] di-n-butyltin as corrosion inhibitor of steel in 0.5M sulphuric acid solution A. Ouchrif, A. Yahyi, **B. Hammouti**, A. Dafali, M. Benkaddour, A. Et-Touhami, **Bull. Electrochem.** 19 N°10 (2003) 455-458.
- 59) Synergistic effect of iodide ions on the inhibition of the corrosion of steel in 0.5 H<sub>2</sub>SO<sub>4</sub> by Chalcone derivative Bouklah, A. Bouyanzer, M. Benkaddour, **B. Hammouti**, A. Aouniti, M. Oulmidi, **Bull. Electrochem.** 19 N°11 (2003) 483-488.
- 60) Corrosion inhibition of Lead in 0.24 HClO<sub>4</sub> media by amino acid compounds, R. Salghi, L. Bazzi, E. Ait Addi, **B. Hammouti**, **Trans. SAEST**, 38 N°3 (2003) 127-129.
- 
- 61) Corrosion inhibition of iron in hydrochloric acid solution by jojoba oil, A. Chetouani, **B. Hammouti**, M. benkaddour **Resin & Pigment Technol.** Vol. 33, No. 1 (2004) 26-31.
- 62) Naturally occurring ginger as a corrosion inhibitor for steel in molar hydrochloric acid at 353 K, A. Bouyanzer, **B. Hammouti**, **Bull. Electrochem.** 20 N°2 (2004) 63-65.
- 63) Thiophene derivatives as effective inhibitors for the corrosion of steel in 0.5M H<sub>2</sub>SO<sub>4</sub>. M. Bouklah, **B. Hammouti**, A. Aouniti, T. Benhadda, **Prop. Org. Coat.** 49N°3 (2004)225-228.
- 64) Corrosion inhibition of steel in hydrochloric acid solutions by malonitrile compounds, S. Elayyoubi, B. Hammouti, H. Oudda, E.B. Maarouf, S. Kertit; **Revue de Métallurgie: (Paris)**. 101 N° 2 (2004) 153-157.
- 65) Peptidic Compound as corrosion inhibitor for brass in nitric acid solution, Y. Abed, M. Kissi, **B. Hammouti**, M. Taleb, S. Kertit, **Prog. Org. Coat.**, 50 N°2(2004) 144-147.
- 66) Poly(4-vinylpyridine poly(3-oxide ethylene) tosyle) an excellent inhibitor for iron in sulphuric acid medium at 80°C. A. Chetouani, K. Medjahed, K.E. Sid-Lakhdar, **B. Hammouti**, M. Benkaddour, A. Mansri, **Corros. Sci.** Vol 46 (2004) 2421-2430.
- 67) A study of anti-corrosive effects of Artemisia oil on steel, A. Bouyanzer, **B. Hammouti**, **Resin & Pigment Technol.** Vol. 33, No. 5 (2004) 287-292.
- 68) Effect of the substitution of an oxygen atom by sulphur in a pyridazinic molecule towards inhibition of corrosion of steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> medium, M. Bouklah, N. Benchat, A. Aouniti, **B. Hammouti**, M. Benkaddour, M. Lagrenée, H. Vezin, F. Bentiss, **Prop. Org. Coat.** 51N°2 (2004) 118-124.
- 69) Inhibition of corrosion of iron in citric acid media by amino acids, M. Zerfaoui, **B. Hammouti**, H. Oudda, M. Benkaddour, **Prop. Org. Coat.** 51N°2 (2004) 134-138.
- 70) Comparative study of the effect of inorganic ions on the corrosion of Aluminium 3003 and 6063 alloys in carbonate solutions by, R. Salghi, L. Bazzi, **B. Hammouti**, A. Bendou, E. Ait Addi, S. Kertit, **Prop. Org. Coat.** 51N°2 (2004)113-117.
- 71) Synthesis and Application of o-acrylate dipyrazole methane as Corrosion Inhibitors of pure Iron in molar hydrochloric Acid Solution, A. Yahyi, A. Aouniti, **Hammouti**, A. Ramdani, S. Kertit, **Trans. SAEST**, 39(1) (2004) 5-8
- 72) Comparative study of the effect of the addition of some benzoazoles compounds on corrosion Inhibitors of copper in aerated 3% NaCl solution, A. Dafali, **B. Hammouti**, A. Aouniti, R. Mokhlisse, S. Kertit, **Abhath Al-yarmouk:” Basic Sci. & Eng.”** 13 N°2 (2004) 249-257.
- 73) Characterisation of a new tripyrazole derivative as inhibitor for steel corrosion in acid solution, M. Elayyachy, M. Elkodadi, A. Ramdani, **B. Hammouti**, A. Elidrissi. **Resin & Pigment Technol.** 33, No. 6 (2004) 375-379.
- 74) Corrosion inhibition of iron in hydrochloric acid solutions by rosemary oil, E. Chaieb, A. Bouyanzer, **B. Hammouti**, M. Benkaddour, M. Berrabah, **Trans. SAEST**, 39 N°3(2004) 58-60.
- 75) Realisation of ferrocene reference electrode in H<sub>3</sub>PO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub> and HCl mixtures, **B. Hammouti**, H. Oudda, A. El Maslout, A. Benayada, **Trans. SAEST**, 39 N°3 (2004) 81-83.
- 76) Thyme as a naturally corrosion inhibitor for iron in hydrochloric acid solutions A. Chetouani, **B. Hammouti**, **Bull. Electrochem.** 20 N°8 (2004) 343-345.
- 77) Development and study of cement and a phosphocalciques ceramic as medical use, E. Abbaoui, A. Essaddek, E. Mejdoubi, L.L. Elansari, M. Elgadi, **B. Hammouti**, **J. Phys. IV** 123 N° (2005) 229-232.
- 78) Corrosion Inhibition of tin in citric-chloride solution by Amino acids. M. Zerfaoui, **B. Hammouti**, H. Oudda, M. Benkaddour, S. Kertit, **Bull Electrochem.** 20 N°10 (2004) 433-437.
- 79) Salinité et pollution par les nitrates des eaux souterraines de la plaine de Triffa, R. Benkaddour, **B. Hammouti**, M. El-Mrabet, M. Dahchour, A. Aouniti, B. Haouadi, A. Ouardi, **Actes Inst. Agron. Vet. (Maroc)** 24N°3&4(2004) 147-158.
- 
- 80) Pyridine-pyrazole compound as inhibitor for steel in 1M HCl, M. Bouklah, A. Attayibat, **B. Hammouti**, A. Ramdani, S. Radi, M. Benkaddour, **Appl. Surf. Sci.**, 240 N°1-4 (2005) 341-348.
- 81) Inhibitive action of two bipyrazolic isomers towards corrosion of steel in 1 M HCl solution, K. Tebbji, M. El kodadi, M. Benkaddour, H. Oudda, **B. Hammouti**, A. Ramdani, **Appl. Surf. Sci.**, 241 N°3-4 (2005) 326-334.

- 82) A pyrazine derivative as a corrosion inhibitor for steel in hydrochloride acid solution, M. Bouklah, A. Attayibat, S. Kertit, A. Ramdani, **B. Hammouti**, *Appl. Surf. Sci.*, **242** N° 3-4 (2005) 399-406. <https://doi.org/10.1016/j.apsusc.2004.09.005>
- 83) Inhibition effect of two organic compounds pyridine-pyrazole type in acidic corrosion of steel, K. Tebbji, H. Oudda, **B. Hammouti**, M. Benkaddour, M. Elkodadi, A. Ramdani; *Colloids and Surfaces, A: Physicochem. and Eng. Asp.* 259 N°1-3 (2005) 143-149
- 84) Inhibition of the corrosion of steel in HCl solution by Eugenol derivatives, E. Chaieb, A. Bouyanzer, **B. Hammouti**, M. Benkaddour, *Appl. Surf. Sci.*, 246 N° 1-3 (2005) 199-206.
- 85) New synthesised diamine derivatives as inhibitors for the corrosion of steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> A. Ouchrif, M. Zegmout, **B. Hammouti**, A. Dafali, M. Benkaddour, A. Ramdani, S. Elkadiri, *Prop. Org. Coat.* 53N°4 (2005) 292-296.
- 86) New telechelc compounds as corrosion inhibitor for steel in 1M HCl, M. Elayyachy, A. El Idrissi, **B. Hammouti**, *Appl. Surf. Sci.*, 249 (1-4) (2005) 176-182.
- 87) Inhibitive action of bipyrazolic type organic compounds towards corrosion of pure iron in acidic media, A. Chetouani, **B. Hammouti**, T. Benhadda, M. Daoudi, *Appl. Surf. Sci.*, 249 N°1-4 (2005) 375-385.
- 88) New bipyrazole derivatives as corrosion inhibitors for steel in hydrochloric acid solutions M. Elayyachy, M. Elkodadi, A. Aouniti, A. Ramdani, **B. Hammouti**, F. Malek, A. Elidrissi, *Mat. Chem. Phys.* 93(2-3) (2005) 281-285
- 89) Corrosion inhibition of steel in hydrochloric acid solution by new bipyrazole derivatives, M. Bouklah; **B. Hammouti**; M. Benkaddour; A. Attayibat; S. Radi, *Pigment & Resin Technology*, 34 N°4 (2005) 197-202.
- 90) Corrosioninhibition of steel in 0.5M H<sub>2</sub>SO<sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, **B. Hammouti**, A. El Idrissi, *Appl. Surf. Sci.*, 250 N°1-4 (2005) 50-56.
- 91) 1,3-bis(3-hydroxyméthyl-5-méthyl-1-pyrazole) propane as corrosion inhibitor for steel in 0.5M H<sub>2</sub>SO<sub>4</sub> solution A. Ouchrif M. Zegmout, **B. Hammouti**, S. El-Kadiri, A. Ramdani, *Appl. Surf. Sci.*, 252 N°2 (2005) 339-344.
- 92) New bipyrazolic derivatives as corrosion inhibitors of steel in 1 M HCl K. Tebbji, A. Aouniti, M. Benkaddour, H. Oudda, I. Bouabdallah, **B. Hammouti**, A. Ramdani, *Prop. Org. Coat.* 54N°3 (2005)170-174.
- 93) Bouklah M., **Hammouti B.**, Benkaddour M., Benhadda T. (2005), Thiophene derivatives as effective inhibitors for the corrosion of steel in 0.5M H<sub>2</sub>SO<sub>4</sub>, *J. Appl. Electrochem.* 35 N°11, 1095-1101.
- 94) Tebbji K., **Hammouti B.**; Oudda H.; Ramdani A.; Benkadour M. The inhibitive effect of bipyrazolic derivatives on the corrosion of steel in hydrochloric acid solution, (2005), *Appl. Surf. Sci.* 252 N°5, 1378-1385.
- 95) Corrosion behaviour of steel in concentrated phosphoric acid solutions, M. Benabdellah, **B. Hammouti**, *Appl. Surf. Sci.*, 252 N°5 (2005) 1657-1661.
- 96) Catigene based selective electrode with PVC matrix, M. El hadri, H. Zerouali, **B. Hammouti**, *Trans. SAEST*, 40(3)(2005)77-80
- 97) Bouklah M., Ouassini K., **Hammouti B.**, El Idrissi A. (2006), Corrosion inhibition of steel in sulphuric acid by pyrrolidine derivatives, *Appl. Surf. Sci.*, 252 N°6, 2178-2185.
- 98) The inhibited effect of some tetrazolic compounds towards the corrosion of brass in nitric acid solution, M. Mihit, S. El issami; M. Bouklah; L. Bazzi; **B. Hammouti**; E. Ait addi; R. Salghi, *Appl. Surf. Sci.*, 252 N°6 (2006) 2389-2395.
- 99) A study of rosemary oil as a green corrosion inhibitor for steel in 2M H<sub>3</sub>PO<sub>4</sub>, M. Bendahou, M. benabdallah, **B. Hammouti**, *Pigm. Res. Techn.* 35 N°2 (2006) 95-100.
- 100) Thermodynamic characterisation of steel corrosion and inhibitor adsorption of pyridazine compounds in 0.5 M H<sub>2</sub>SO<sub>4</sub>, M. Bouklah, N. Benchat, **B. Hammouti**, S. Kertit, *Mater. Let.* 60 N°15 (2006) 1901-1905.
- 101) Zerouali H., Zaaferani A., Salghi R., Hormatallah A., **Hammouti B.**, Bazzi L. (2006), Pesticides residues in tomatoes grown in greenhouses in Morocco and dissipation of endosulfan and deltamethrin, *Fresenius Environmental Bulletin*, 15(4), 267-271
- 102) Establishment of equivalent circuits from electrochemical impedance spectroscopy study of corrosion inhibition of steel by pyrazine in sulphuric acidic solution, M. Kissi, M. Bouklah, **B. Hammouti**, M. Benkaddour, *Appl. Surf. Sci.* 252 N°12 (2006) 4190-4197.
- 103) A study of tetrazoles derivatives as corrosion inhibitors of copper in nitric acid, M. Mihit, R. Salghi, S. El Issami, L. Bazzi, **B. Hammouti**, El. Ait Addi, S. Kertit, *Pigm. Resin Technol.* 35 N° 3 (2006) 151-157.
- 104) M. Benabdellah, M. Benkaddour, **B. Hammouti**, M. Bendahhou, A. Aouniti, Inhibition of steel corrosion in 2M H<sub>3</sub>PO<sub>4</sub> by Artemisia oil, *Appl. Surf. Sci.* 252 N° 18 (2006) 6212-6217.
- 105) Synergistic effect of iodide ions on the corrosion inhibition of steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> by new chalcone derivatives, M. Bouklah, **B. Hammouti**, A. Aouniti, M. Benkaddour, A. Bouyanzer, *Appl. Surf. Sci.* 252 N°18 (2006) 6236-6242.
- 106) Pennyroyal oil from Mentha pulegium as corrosion inhibitor for steel in 1 M HCl, A. Bouyanzer, **B. Hammouti**, L. Majidi, *Mater. Let.* 60 N°23(2006) 2840-2843.
- 107) Thermodynamic properties of 2,5-bis(4-methoxyphenyl)-1,3,4-oxadiazole as a corrosion inhibitor for mild steel in normal sulfuric acid medium, M. Bouklah, **B. Hammouti**, M. Lagrenée, F. Bentiss, *Corros. Sci.* 48 N°9 (2006) 2831– 2842.
- 108) New thio-compounds as corrosion inhibitor for steel in 1M HCl, M. Elayyachy, A. El Idrissi, **B. Hammouti**, *Corros. Sci.* 48 N°9 (2006) 2470-2479.
- 109) M. Belkhouda, L. Bazzi, A. Benlhachemi, R. Salghi, **B. Hammouti**, S. Kertit, Effect of the heat treatment on the corrosion behaviour of amorphous Fe-Cr-P-C-Si alloy in 0.5M H<sub>2</sub>SO<sub>4</sub>, *Appl. Surf. Sci.* 252 N° 22 (2006) 7921-7925.
- 110) Investigation of the inhibitive effect of triphenyltin 2-thiophene carboxylate on corrosion of steel in 2 M H<sub>3</sub>PO<sub>4</sub> solutions, M. Benabdellah, A. Aouniti, A. Dafali, **B. Hammouti**, M. Benkaddour, A. Yahyi, A. Ettouhami, *Appl. Surf. Sci.* 252 N°23 (2006) 8341 – 8347.
- 111) Chetouani A., Daoudi M., **Hammouti B.**, Ben Hadda T., Benkaddour M. (2006), Inhibition of pure iron by new synthesized tripyrazole derivatives in HCl solution, *Corros. Sci.* 48 N°10, 2987-2997. <https://doi.org/10.1016/j.corsci.2005.10.011>
- 112) 1-[(Benzyl-(2-cyano-ethyl)-amino)-methyl]-5-methyl-1H-pyrazole-3-carboxylic acid methyl ester, L. Herrag, R. Touzani, A. Ramdani, **B. Hammouti**, *Molbank*, (2006) M493.
- 113) 1-[(Benzyl-(2-cyano-ethyl)-amino)-methyl]-5-methyl-1H-pyrazole-3-carboxylic acid ethyl ester, L. Herrag, R. Touzani, A. Ramdani, **B. Hammouti**, *Molbank*, (2006) M494.
- 114) 3-[Benzyl-(3,5-dimethyl-pyrazol-1-ylmethyl)-amino]-propionitrile, L. Herrag, R. Touzani, A. Ramdani, **B. Hammouti**, *Molbank*, (2006) M495.
- 115) 3-[Benzyl-(1,5-dimethyl-1H-pyrazol-3-ylmethyl)-amino]-propionitrile, L. Herrag, R. Touzani, A. Ramdani, **B. Hammouti**, *Molbank*, (2006) M496.
- 116) Effect of Eucalyptus Oil on the Corrosion of Steel in 1M HCl, A. Bouyanzer, L. Majidi, **B. Hammouti**, *Bull. Electrochem.* 22 N° 7 (2006) 321-324.

- 117) Effect of the addition of oxo-anions on the corrosion and passivation of tin in synthetic industrial water, E.H. Ait Addi, L. Bazzi, M. Elhilali, R. Salghi, **B. Hammouti**, M. Mihit, *Appl. Surf. Sci.* 253 N°2 (2006) 555-560.
- 118) Thermodynamic characterisation of steel corrosion for the corrosion inhibition of steel in sulphuric acid solutions by Artemisia, M. Bouklah, **B. Hammouti**, *Portug. Electrochim. Acta* Vol. 24 N°4 (2006) 457-468.
- 119) Effect of acidizing on the methidathion persistence on clementine of North of Morocco (Berkane), E. Zerouali, R. Salghi, **B. Hammouti**, M. Benkaddour, E. Zine, A. Hormatallah, L. Bazzi, *Phys. Chem. News*, 32 (2006) 102-106.
- 
- 120) Tebbji K., Bouabdellah I., Aouniti A., **Hammouti B.**, Oudda H., Benkaddour M., Ramdani A. (2007), *N*-benzyl-*N,N*-bis[(3,5-dimethyl-1*H*-pyrazol-1-yl)methyl]amine as corrosion inhibitor of steel in 1 M HCl, *Mater. Let.* 61N°3, 799-804.
- 121) Ruthenium–ligand complex, an efficient inhibitor of steel corrosion in H<sub>3</sub>PO<sub>4</sub> media, M. Benabdellah, R. Touzani, A. Dafali, **B. Hammouti**, S. El Kadiri, *Materials Letters*, 61 N° 4-5 (2007) 1197-1204.
- 122) El Issami S., Bazzi L., Benlhachemi A., Salghi R., **Hammouti B.**, Kertit S. (2007), Triazolic compounds as corrosion inhibitors for copper in hydrochloric acid, *Pigment and Resin Technology*, 36 No 3, 161-168.
- 123) The effect of poly(vinyl caprolactone-co-vinyl pyridine) and poly(vinyl imidazol-co-vinyl pyridine) on the corrosion of steel in H<sub>3</sub>PO<sub>4</sub> media, M. Benabdellah, A. Ousslim, **B. Hammouti**, A. Elidrissi, A. Aouniti, A. Dafali, K. Bekkouch, M. Benkaddour, *J. Appl. Electrochem.* Vol.37 N°7(2007)819-826.
- 124) The role of phosphonates derivatives on the corrosion inhibition of steel in HCl media, M. Benabdellah, M. Rhomari, A. Raada, A. Dafali, O. Senhaji, **B. Hammouti**, A. Aouniti, J.J. Robin, *Chem. Eng. Comm.* 194 N° 10, (2007) 1328-1341.
- 125) Effect of diaminoalkane derivatives on steel corrosion in HCl media, L. Herrag, **B. Hammouti**, A. Aouniti, S. El Kadiri, R. Touzani, *Acta Chim. Slov.* 54 N°2 (2007) 419-423.
- 126) Inhibitive action of some bipyrazolic compounds on the corrosion of steel in 1 M HCl -part I- Electrochemical study, M. Benabdellah, R. Touzani, A. Aouniti, A. Dafali, S. El Kadiri, **B. Hammouti**, M. Benkaddour, *Mater. Chem. Phys.* 105 N°2-3 (2007) 373-379.
- 127) Synthesis and anticorrosive effect of epoxy-allylmenthols on steel in molar hydrochloric acid, Z. Faska, L. Majidi, R. Fihhi, A. Bouyanzer, **B. Hammouti**, *Pigment and Resin Technology*, 36 N°5(2007) 293-298.
- 128) Synthesis and anticorrosive effect of calixarene derivatives towards steel in 1M HCl, M. Benabdellah, R. Souane, N. Cheriaa, R. Abidi, **B. Hammouti**, J. Vicens, *Pigment and Resin Technology*, 36(6)(2007)373-381.
- 129) The effect of some lactones as inhibitors for the corrosion of steel in 1 M hydrochloric acid, K. Tebbji, N. Faska, A. Tounsi, H. Oudda, M. Benkaddour, **B. Hammouti**, *Mater. Chem. Phys.* 106 N° 2-3 (2007) 260-267.
- 130) Investigation of the inhibitive effect of some quinoxaline compounds on the corrosion of steel in HCl solutions, M. Benabdellah, R. Touzani, A. Aouniti, A. Dafali, S. Elkadiri, **B. Hammouti**, M. Benkaddour, *Phys. Chem. News*, 37 (2007) 63-69.
- 131) Inhibition of steel corrosion in 1M HCl by essential oil of cedre, A. Bouyanzer, L. Majidi, **B. Hammouti**, *Phys. Chem. News*, 37 (2007) 70-74.
- 132) Corrosion inhibition of steel in 1M HCl by octithiophene; O. Krim, A. Elidrissi, **B. Hammouti**, A. Bouachrine, M. Hamidi, A. Makayssi, *Bull. Electrochem.* 23 N°5-8 (2007) 119-122.
- 133) A new sensor for situ control of acidity level of concentrated HClO<sub>4</sub>, **B. Hammouti**, A. Benayada, A. El Maslout, H. Oudda, *Bull. Electrochem.* 23 (2007) 303–306.
- 134) 1-(1,5 dimethyl-1*H*-pyrazol-3-yl)-butane-1,3-dione as corrosion Inhibitor for steel in 0.5M H<sub>2</sub>SO<sub>4</sub>, A. Ouchrif, M. Zegmout, R. Touzani, **B. Hammouti**, M. Benkaddour, S. Elkadiri, *Bull. Electrochem.* 23 (2007) 307–311.
- 135) Effect of 3-(benzylamino)-propionitrile on steel corrosion in HCl media part I. Intramolecular effect, L. Herrag, **B. Hammouti**, A. Ramdani, *Bull. Electrochem.* 23 (2007) 431–435.
- 
- 136) Rais Z., Taleb M., Sfaira M., Filali Baba M., **Hammouti B.**, Maghnouj J., Nejjar R., Hadji M. (2008), Decolouration of textile's effluents discoloration by adsorption in static reactor and in dynamic reactor on the phosphocalcic apatites, *Phys. Chem. News*, 38, 106-111.
- 137) Some amino acids as corrosion inhibitors for copper in nitric acid solution, Barouni, K., Bazzi, L., Salghi, R., Mihit, M., **Hammouti B.**, Albourine, A., El Issami, S., *Materials Letters*, 62 N°19 (2008) 3325-3327.
- 138) Inhibition of steel corrosion in HCl media by phosphite compound, L. Herrag, B. El Bali, **B. Hammouti**, R. Ouarsal, S. Elkadiri, M. Lachkar, *Pigment and Resin Technology*, 37N°3 (2008)167-172.
- 139) Pyrazole Derivatives as Corrosion Inhibitors for Steel in Hydrochloric Acid, L. Herrag, A. Chetouani, S. Elkadiri, B. Hammouti, A. Aouniti, *Port. Electrochim. Acta*, 26 N°2 (2008) 211-220
- 140) 2,5-Difuryl-*N*-Methylpyrrole as Corrosion Inhibitor for Steel in 1 M HCl, O. Krim, M. Bouachrine, **B. Hammouti**, A. Elidrissi, M. Hamidi, *Port. Electrochim. Acta*, 26 N°3 (2008) 283-289.
- 141) Novel calixarene derivatives as inhibitors of mild C-38 steel corrosion in 1 M HCl, M. Kaddouri, N. Cheriaa, R. Souane, M. Bouklah, A. Aouniti, R. Abidi, **B. Hammouti**, J.Vicens, *J. Appl. Electrochem.* 37N°9 (2008) 1253-1258.
- 142) Phosphate of Aluminum as Corrosion Inhibitor for Steel in H<sub>3</sub>PO<sub>4</sub>, L. Malki Alaoui, S. Kertit, A. Bellaouchou, A. Guenbour, A. Benbachir, **B. Hammouti**, *Port. Electrochim. Acta*, 26 N°4 (2008) 339-347.
- 143) Mihit M., Bazzi L., Salghi R., **Hammouti B.**, El Issami S., Ait Addi E.H. (2008), Some tetrazolic compounds as corrosion inhibitors for copper in nitric acid medium, *Int. Scientific Journal for Alternative Energy and Ecology*, 6, 173-182.
- 144) Effect of pulegone and pulegone oxide on the corrosion of steel in 1 M HCl, Z. Faska, A. Bellioua, M. Bouklah, L. Majidi, R. Fihhi, A. Bouyanzer, **B. Hammouti**, *Monatshefte für Chemie*, 139 N°12 (2008) 1417-1422.
- 145) The effect of temperature on the corrosion of steel in 1M HCl in the presence of quinoxaline compound, M. Benabdellah, K. Tebbji, **B. Hammouti**, R. Touzani, A. Aouniti, A. Dafali, S. El Kadiri, *Phys. Chem. News*, 43 (2008) 115-120.
- 146) Effect of the heat treatment on the corrosion and passivation of tinplate in synthetic industrial water, M. Belkhaouda, R. Salghi, L. Bazzi, **B. Hammouti**, *Arab. J. Chemistry*, 1 N°3 (2008) 281-290.
- 
- 147) Ouachikh O., Bouyanzer A., Bouklah M., Desjobert J-M., Costa J., **Hammouti B.**, Majidi L. (2009), Application of Essential Oil of Artemisia herba alba as green corrosion inhibitor for steel in 0.5M H<sub>2</sub>SO<sub>4</sub>, *Surface Review and Letters*, 16(1), 49-54
- 148) Abboud Y., Abourriche A., Tanane O., **Hammouti B.**, Saffaj T., Ainane T., Berrada M., Charrouf M., Bennamara A. (2009), Corrosion inhibition of carbon steel in acidic media by Bifurcaria bifurcata extract, *Chem. Eng. Comm.* 196 N°7, 788-800. <https://doi.org/10.1080/00986440802589875>
- 149) Corrosion and passivation of tinplate in Na<sub>2</sub>CO<sub>3</sub> medium: Effect of pH, Chloride and carbonate ions, M. Belkhaouda, L. Bazzi, R. Salghi, A. Benlhachemi, **B. Hammouti**, S. El Issami, M. Hilali, *Phys. Chem. News*, 45 (2009) 137-141.

- 150) Belarbi-Benmahdi M., Khaldi D., Beghdad C., Gouzi H., Bendimerad N., **Hammouti B.** (2009), Physicochemical and nutritional study of argan oil (*Argania spinosa* L.) in south-western Algeria, **Pigment and Resin Technology**, 38N°2, 96-99.
- 151) Some studies on the CdS thin films grown by chemical bath deposition (CBD) process, R. Naciri, H. Bihri, A. Rahioui, A. Mzard, C. Messaoudi, **B. Hammouti**, **Phys. Chem. News**, 48 (2009) 136-141.
- 152) Piperazine derivatives as inhibitors of the corrosion of mild steel in 3.9 M HCl, Ousslim A., Bekkouch K., **Hammouti B.**, Elidrissi A., Aouniti A. (2009), **J. Appl. Electrochem.**, 38N°7, 1075-1079.
- 153) Influence of the heat treatment on the corrosion behaviour of 3003 aluminium alloy in alkaline medium, M. Belkhaouda, L. Bazzi, A. Benlhachemi, R. Salghi, **B. Hammouti**, A. Ihlal, **Phys. Chem. News**, 48 (2009) 81-88.
- 154) Investigation of adsorption and inhibitive effect of calixarene derivative newly synthesised towards C38 steel in molar HCl, R. Souane, M. Kaddouri, M. Bouklah, N. Cheriaa, **B. Hammouti**, J. Vicens, **Surface Review & Letters** 16(3) (2009) 401-406.
- 155) Investigation of adsorption and inhibitive effect of phosphite on corrosion of mild steel in hydrochloric acid media, L. Herrag, B. El Bali, M. Lachkar, **B. Hammouti**, **Oriental Journal of Chemistry**, 25 N°2 (2009) 265-272.
- 156) Limonene as green inhibitor for steel corrosion in Hydrochloric Acid, E. Chaieb, A. Bouyanzer, **B. Hammouti**, M. Berrabah, **ActaPhys. Chim. Sin.** 25 N°7 (2009) 1254-1258.
- 157) Some benzotriazole derivatives as corrosion inhibitors for copper in acidic medium: Experimental and quantum chemical molecular dynamics approach, K.F. Khaled, S.A. Fadl-Allah, **B. Hammouti**, **Mater. Chem. Phys.**, 117 N°1 (2009) 148-155.
- 158) Thermodynamic Study of Corrosion and Inhibitor Adsorption Processes in C38 Steel/Piperazines Phosphoric Acid Systems, A. Ousslim, A. Aouniti, K. Bekkouch, A. Elidrissi, **B. Hammouti**, **Surface Review and Letters**, 16 No.4 (2009) 609-615.
- 159) Synthesis, characterization and comparative study of new pyridine derivatives as inhibitors of corrosion of mild steel in hydrochloric acid medium, O. Krim, A. Elidrissi, **B. Hammouti**, A. Ouslim, M. Benkaddour, **Chem. Eng. Comm.** 196 N°12 (2009)1536-1546.
- 160) Zerga B., Sfaira M., Rais Z., Ebn Touhami M., Taleb M., **Hammouti B.**, Imelouane B., Elbachiri A., Lavender oil as an ecofriendly inhibitor for mild steel in 1 M HCl, **Materiaux et Technique**, 97 N°5 (2009) 297-305.
- 161) Electrochemical behaviour of Lead in hydrochloric acid solution in the presence of inorganic ions, R. Salghi, **B. Hammouti**, L. Bazzi, **J. Iranian Chem. Res.**, 2 N°3(2009) 157-162.
- 
- 162) Mihit M., Laarej K., Abou El Makarim H., Bazzi L., Salghi R., **Hammouti B.** (2010) Study of the inhibition of the corrosion of copper and zinc in HNO<sub>3</sub> solution by electrochemical technique and quantum chemical calculations, **Arab. J. Chem**, 3(1), 55-60
- 163) Kinetic investigation of C38 steel corrosion in concentrated perchloric acid solutions, M. Benabdellah, **B. Hammouti**, MF Khaled, **Mater. Chem. Phys.**, 120 N1 (2010) 61-64.
- 164) Quantum chemical studies on the inhibiting effect of bipyrazoles of steel corrosion in HCl, K. Laarej, M. Bouachrine, S. Radi, S. Kerit, **B. Hammouti**, **E-Journal of Chemistry**, 7(2) (2010) 419-424.
- 165) Adsorption properties of Rosmarinus officinalis oil as green corrosion inhibitors on C38 steel in 0.5M H<sub>2</sub>SO<sub>4</sub>, E. El Ouariachi, J. Paolini, M. Bouklah, A. Elidrissi, A. Bouyanzer, **B. Hammouti**, J-M. Desjobert, J. Costa, **Acta Metallurgica Sinica**, 23 N°1 (2010) 13-20.
- 166) Hachami F., Salghi R., Errami M., Bazzi L., Hormatallah A., Chakir A., **Hammouti B.**, (2010) Electrochemical oxidation of methidathion organophosphorous pesticide, **Phys. Chem. News**, 52, 106-110.
- 167) Synthesis, Characterization and Comparative Study of Quinoxalines Functionalized Derivatives towards Corrosion of Mild Steel in Hydrochloric Acid Medium, A. Zarrouk, A. Dafali, **B. Hammouti**, H. Zarrok, S. Boukhris, M. Zertoubi, **Int. J. Electrochem. Sci.**, 5 N°1(2010)46-55.
- 168) Comparative Study of new Pyridazine Derivatives Towards Corrosion of Copper in Nitric Acid: Part-1, A. Zarrouk, T. Chelfi, A. Dafali, **B. Hammouti**, S.S. Al-Deyab, I. Warad, N. Benchat, M. Zertoubi, **Int. J. Electrochem. Sci.**, 5 N°5 (2010) 696-705.
- 169) Barouni K., Mihit M., Bazzi L., Salghi R., Al-Deyab S.S., **Hammouti B.**, Albourine A. The Inhibited effect of Cysteine towards the Corrosion of Copper in Nitric Acid Solution, **Open Corros J.3** (2010) 63-68
- 170) Testing Natural Fenugreek as an Ecofriendly Inhibitor for Steel Corrosion in 1 M HCl, A. Bouyanzer, **B. Hammouti**, L. Majidi, B. Haloui, **Port. Electrochim. Acta**, 28 N°3 (2010)165-172.
- 171) Adsorption properties and inhibition of mild steel corrosion in hydrochloric solution by some newly synthesized diamine derivatives: Experimental and theoretical investigations, L. Herrag, **B. Hammouti**, S. Elkadiri, A. Aouniti, C. Jama, H. Vezin, F. Bentiss, **Corros. Sci.**, 52 N°9(2010)3042-3051.
- 172) Thermodynamic characterisation of steel corrosion in HCl in the presence of 2-phenylthieno (3, 2-b) quinoxaline, El Ouali I., **Hammouti B.**, Aouniti A., Ramli Y., Azougagh M., Essassi E.M., Bouachrine M.**J. Mater. Environ. Sci.** 1 N°1 (2010) 1-8.
- 173) Effect of the heat treatment on the behaviour of the corrosion and passivation of 3003 aluminium alloy in synthetic solution, M. Belkhaouda, L. Bazzi, R. Salghi, O. Jbara, **B. Hammouti**, A. Benlhachmi, J. Douglad, **J. Mater. Environ. Sci.** 1 (2010) 25-33
- 174) Chemical variability of Artemisia herba-alba Asso essential oils from East Morocco, Julien Paolini, E.M. El Ouariachi, A. Bouyanzer, **B. Hammouti**, J-M. Desjobert, J. Costa, A. Muselli, **Chem papers**, 64(5) (2010)550-556
- 175) Release of fluoride by a cement-based zinc phosphate: Kinetic study and antibacteriological, M. Jabri, E.M. Mejdoubi, M. Elgadi, N. Ghabbour, A. Asehraou, **B. Hammouti**, **J. Mater. Environ. Sci.** 1 N°1 (2010) 52-57.
- 176) Dahmani M., Et-Touhami A., Al-Deyab S.S., **Hammouti B.**, Bouyanzer A. (2010), Corrosion inhibition of C38 steel in 1 M HCl: A comparative study of black pepper extract and its isolated piperine, **Int. J. Electrochem. Sci.**, 5 N°8, 1060-1069.
- 177) Zerga B., Attayibat A., Sfaira M., Taleb M., **Hammouti B.**, Ebn Touhami M., Radi S., Rais Z. (2010), Effect of some tripodal bipyrazolic compounds on C38 steel corrosion in hydrochloric acid solution, **J. Appl. Electrochem.** 40(9), 1575-1582
- 178) Comparative bibliometric study of the scientific production in Maghreb countries (Algeria, Morocco and Tunisia) North Africa 1996-2009, **B. Hammouti**, **J. Mater. Environ. Sci.** 1 N°2 (2010)70-77.
- 179) The effect of temperature on the corrosion of Cu/HNO<sub>3</sub> in the presence of organic inhibitor: Part-2, A. Zarrouk, I. Warad, B. Hammouti, A. Dafali, S.S. Al-Deyab, N. Benchat, **Int. J. Electrochem. Sci.**, 5 N°10 (2010)1516-1526.
- 180) Pyrazole derivatives with N-pivot functionalized donor-group. Synthesis and preliminary metals binding properties, A. Radi, **B. Hammouti**, S. Radi, **J. Mater. Environ. Sci.** 1 N°2 (2010) 95-100.
- 181) Bammou L., Chebli B., Salghi R., Bazzi L., **Hammouti B.**, Mihit M., El Idrissi H. (2010), Thermodynamic properties of Thymus satureioides essential oils as corrosion inhibitor of tinplate in 0.5 M HCl: Chemical characterization and electrochemical study. **Green Chemistry Letters and Reviews**, 3 N°3, 173-178.



- 182) Effect of some new diazole derivatives on the corrosion behaviour of steel in 1 M HCl, Abboud, Y., Ihssane, B., Hammouti, B., Abourriche, A., Maoufoud, S., Saffaj, T., Berrada, M., Charrouf, M., Bennamara, A., Hannache, H. **Desalination and Water Treatment**, 20 N°1-3 (2010) 35-44.
- 183) Synthesis and anticorrosive effects of epoxy-allylpulegols on steel in molar hydrochloric acid, L. Majidi, Z. Faska, M. Znini, S. Kharchouf, A. Bouyanzer, B. Hammouti, J. Mater. Environ. Sci. 1N°4 (2010) 219-226.
- 184) The inhibitive effect of 2-phenyl-3-nitroso-imidazo[1,2-a]pyridine on the corrosion of steel in 0.5M HCl acid solution, K. Bouhriha, F. Ouahiba, D. Zerouali, B. Hammouti, M. Zertoubi, N. Benchat, **E-Journal of Chemistry**, 7 N°S1 (2010) S35-S42
- 185) Thermodynamic, chemical and electrochemical investigation of 2-mercapto benzimidazole as corrosion inhibitor for mild steel in hydrochloric acid solutions, M. Benabdellah, A. Tounsi, K.F. Khaled. B. Hammouti, **Arab. J. Chem**, 4 N°1(2011)17-24.
- 186) Chemical composition and antioxidant activity of essential oils and solvent extracts of *Psychotria verticillata* from Morocco, E.M. Ouariachi, P. Tomi, A. Bouyanzer, B. Hammouti, J-M. Desjobert, J. Costa, J. Paolini, **Food and Chemical Toxicology**, 49 N°2(2011) 533-536.
- 187) Chemical Composition and Inhibitory Effect of *Mentha Spicata* Essential Oil on the Corrosion of Steel in Molar Hydrochloric Acid, M. Znini, M. Bouklah, L. Majidi, S. Kharchouf, A. Aouniti, A. Bouyanzer, B. Hammouti, J. Costa, S.S. Al-Dyab, **Int. J. Electrochem. Sci.**, 6 N°3 (2011) 691-701.
- 188) Adsorption and Corrosion Inhibition Behavior of C38 Steel by one Derivative of Quinoxaline in 1 M HCl, M. Elayyachy, B. Hammouti, A. El Idrissi, A. Aouniti, **Port. Electrochim. Acta**, 29 N° 1 (2011) 57-68.
- 189) Bammou L., Mihit M., Salghi R., Bazzi L., Bouyanzer A., Al-Deyab S.S., Hammouti B., Inhibition Effect of Natural Artemisia Oils Towards Tinplate Corrosion in HCl solution: Chemical Characterization and Electrochemical Study, **Int. J. Electrochem. Sci.**, 6 N°5 (2011) 1454-1467.
- 190) Temperature effect, activation energies and thermodynamics of adsorption of ethyl 2-(4-(2-ethoxy-2-oxoethyl)-2-p-tolylquinoxalin-1(4H-yl)acetate on Cu in HNO<sub>3</sub>, B. Hammouti, A. Zarruk, S.S. Al-Deyab, I. Warad, **Oriental J. Chem.** 27 N° 01 (2011) 23-31.
- 191) Fennel (*Foeniculum Vulgare*) Essential Oil as Green Corrosion Inhibitor of Carbon Steel in Hydrochloric Acid Solution, N. Lahhit, A. Bouyanzer, J.-M. Desjobert, B. Hammouti, R. Salghi, J. Costa, C. Jama, F. Bentiss, L. Majidi, **Portugaliae Electrochimica Acta**, 29 N° 1 (2011), 57-68.
- 192) Corrosion Inhibition of Steel in Molar HCl by Triphenyltin-2-Thiophene Carboxylate, M. Benabdellah, A. Yahyi, A. Dafali, A. Aouniti, B. Hammouti, A. Ettouhami, **Arab. J. Chem**, 4 N°3 (2011) 343-347
- 193) Study of the inhibiting efficiency of two bipyrazole derivatives on steel corrosion in hydrochloric acid media, K. Tebbji, A. Aouniti, A. Attayibat, B. Hammouti, H. Oudda, M. Benkaddour, S. Radi, A. Nahle, **Ind J. Chem. Techn.** 18(3) (2011) 244-253
- 194) Synthesis, spectroscopic characterization and catalytic significance of Palladium(II) complexes derived from 1,1 bis(diphenylphosphinomethyl)ethane, I. Warad, M. Azam, U. Karama, S. Al-Resayes, A. Aouissi, B. Hammouti, **Journal of Molecular Structure**, 1002 N° 1-3 (2011) 107-112.
- 195) Poly(4-vinylpyridine)isopentyl bromide based selective electrode with PVC matrix in aqueous media, M. El hadri, B. Hammouti, A. Chetouani, A. Mansri, H. Oudda, **Der Pharma Chim.** 3 N°4 (2011) 88-93.
- 196) L-Cysteine Methyl Ester Hydrochloride: A New Corrosion Inhibitor for Copper in Nitric Acid, A. Zarruk, B. Hammouti, A. Dafali, H. Zarruk, **Der Pharma Chim.** 3 N°4 (2011) 266-274.
- 197) Corrosion Inhibition and Adsorption Properties of 3-amino-1,2,3-triazole on Mild Steel in H<sub>3</sub>PO<sub>4</sub>, L. Malki Alaoui, B. Hammouti, A. Bellaouchou, A. Benbachir, A. Guenbour, S. Kerit, **Der Pharma Chim.** 3 N°4(2011)353-360.
- 198) The effect of 1',3,5,5'-tetramethyl-1'H-1,3'-bipyrazole on the corrosion of steel in 1.0 M hydrochloric acid, K. Tebbji, H. Oudda, B. Hammouti, M. Benkaddour, S. S. Al-Deyab, A. Aouniti, S. Radi, A. Ramdani, **Research on Chemical Intermediates**, 37 N°8 (2011) 985-1007.
- 199) K. Laarej, H. Harek, B. Hammouti, Y. Harek, Quantum study of the inhibition of corrosion of steel in H<sub>2</sub>SO<sub>4</sub> 0.5 M by thiophene and its derivatives, **Phys. Chem. News**, 59 (2011) 137-142.
- 200) Electrooxidation of Bupirimate: A Comparative Study of SnO<sub>2</sub> and Boron Doped Diamond Anodes, M. Errami, E. Salghi, N. Abidi, L. Bazzi, B. Hammouti, A. Chakir, E. Roth, S. S. Al-Deyab, **Int. J. Electrochem. Sci.**, 6 N°10(2011)4927-4938.
- 201) Zarruk A., Hammouti B., Touzani R., Al-Deyab S.S., Zertoubi M., Dafali A., Elkadiri S. (2011), Comparative Study of New Quinoxaline Derivatives Towards Corrosion of Copper in Nitric Acid, **Int. J. Electrochem. Sci.**, 6 N°10, 4939-4952.
- 202) Evaluation of the efficacy and the pesticides residues of the products Philabuster 400 SC, Decco OPP 20 and Deccotanil against post-harvest fungi of the orange fruits (*Citrus sinensis* cv. Washington Sanguine) [Evaluation de l'efficacité des produits Philabuster 400SC, Decco OPP20 et Deccotanil pour contrôler les pourritures des fruits d'orange *Citrus sinensis* (L.) Osbeck cv. Washington Sanguine en post-récolte et étude des résidus de ces substances actives sur les fruits traités] M. C. El Bouchtaoui, El. Bazzi, R. Salghi, B. Chebli, A. Hormatallah, L. Afia, B. Hammouti, **Phys. Chem. News**, 59(2011)127-136
- 203) N-containing organic compound As An Effective Corrosion Inhibitor For Copper In 2M HNO<sub>3</sub>: Weight Loss and Quantum Chemical Study, A. Zarruk, B. Hammouti, H. Zarruk, I. Warad, M. Bouachrine, **Der Pharma Chim.** 3 N°5 (2011) 263-271.
- 204) 5-(2-Chlorobenzyl)-2,6-Dimethylpyridazin-3-One: An efficient Inhibitor of C38 Steel Corrosion in Hydrochloric Acid, H. Zarruk, R. Saddik, H. Oudda, B. Hammouti, A. El Midaoui, A. Zarruk, N. Benchat, M. Ebn Touhami, **Der Pharma Chim.** 3 N°5 (2011) 272-282.
- 205) Bouklah M., Krim O., Messali M., Hammouti B., Elidrissi A., Warad I. (2011), A pyrrolidine phosphonate derivative as corrosion inhibitor for steel in H<sub>2</sub>SO<sub>4</sub> solution, **Der Pharma Chim.** 3 N°5, 283-293.
- 206) Electrochemical behaviour of N,S-containing corrosion inhibitor for C38 Steel in molar HCl, I. El Ouali, B. Hammouti, A. Aouniti, M. Benabdellah, S. Kertit, **Der Pharma Chim.** 3 N°5 (2011) 294-300.
- 207) Testing Natural compounds: *Argania spinosa* Kernels extract and cosmetic oil as Ecofriendly Inhibitors for Steel Corrosion in 1 M HCl, L. Afia, R. Salghi, El. Bazzi, L. Bazzi, M. Errami, O. Jbara, S. S. Al-Deyab, B. Hammouti, **Int. J. Electrochem. Sci.**, 6 N°11 (2011) 5918-5939.
- 208) Chemical composition and anticorrosive activity of *Warionia saharea* essential oil against the corrosion of mild steel in 0.5 M H<sub>2</sub>SO<sub>4</sub>, M. Znini, L. Majidi, A. Laghchimi, J. Paolini, B. Hammouti, J. Costa, A. Bouyanzer, S. S. Al-Deyab, **Int. J. Electrochem. Sci.**, 6 N°11 (2011) 5940-5955.
- 209) El Ouariachi E. M., Paolini J., Bouyanzer A., Tomi P., B. Hammouti, Salghi R., Majidi L., Costa J. (2011), Chemical composition and antioxidant activity of essential oils and solvent extracts of *Thymus capitatus* from Morocco, **Journal of Medicinal Plants Research**, 5(24), 5773-5778.

- 210) Temperature Effect, Activation Energies and Thermodynamic Adsorption Studies of L-Cysteine Methyl Ester Hydrochloride as Copper Corrosion Inhibitor in Nitric Acid 2M, A. Zarrouk, **B. Hammouti**, H. Zarrok, S.S. Al-Deyab, M. Messali, *Int. J. Electrochem. Sci.*, 6 N°12(2011) 6261-6274
- 211) Experimental and theoretical study for corrosion inhibition in normal hydrochloric acid solution by some new phosphonated compounds, O. Senhaji, R. Taouil, M. K. Skalli, M. Bouachrine, M. Hamidi, **B. Hammouti**, S.S. Al-Deyab, *Int. J. Electrochem. Sci.*, 6 N°12 (2011) 6290-6299
- 212) Chemical composition and anti-corrosive activity of Pulicaria mauritanica essential oil against the corrosion of mild steel in 0.5 M H<sub>2</sub>SO<sub>4</sub>, M. Znini, G. Cristofari, L. Majidi, A. Bouyanzer, J. Paolini, **B. Hammouti**, J. Costa, *Int. J. Electrochem. Sci.*, 6 N°12 (2011) 6699–671.
- 213) Hemilability of ether-phosphine in ruthenium(II) complexes: <sup>31</sup>P{<sup>1</sup>H}-nuclear magnetic resonance (NMR), fast atom bombardment-mass spectroscopy (FAB-MS) and extended X-ray absorption fine structurespectroscopy (EXAF) to confirm the open-closed behaviour, I. Warad, R. Al-Far, S. Al-Resayes, A. Boshala, **B. Hammouti**, *International Journal of the Physical Sciences*, 6(31) (2011) 7183-7190.
- 214) Impedance spectroscopic study of corrosion inhibition of pure iron, by poly (4-vinylpyridine isopentyl bromide) in molar H<sub>2</sub>SO<sub>4</sub>, A. Chetouani, **B. Hammouti**, K. Medjahed, A. Mansri, *Der Pharma Chim.* 3 N°6(2011)307-316.
- 215) Soil moisture monitoring and plant stress measurement of young citrus orchard, Abouatallah A., Salghi R., **Hammouti B.**, El Fadl A., El-Otmani M., Benismail M.C., Eljaouhari N., El Kabous El., Ziani A. (2011), *Der Pharma Chem.* 3 N°6, 341-359.
- 216) Characterization of table sugar dosimeter for gamma-radiation dosimetry, Riyadh. CH. Abul –Hail, Ghufra. M. Shabeeb, **B. Hammouti**, *Der Pharma Chim.* 3 N°6 (2011) 182-188
- 217) Weight Loss Measurement and Theoretical Study of New Pyridazine Compound as Corrosion Inhibitor for C38 Steel in Hydrochloric Acid Solution, H. Zarrok, H. Oudda, A. Zarrouk, R. Salghi, **B. Hammouti**, M. Bouachrine, *Der Pharma Chim.* 3 N°6 (2011) 576-590
- 218) Two dipodal pyridine-pyrazol derivatives as efficient inhibitors of mild steel corrosion in HCl solution –part I: Electrochemical study, M. B. Cisse, B. Zergar, F. El Kalai, M. Ebn Touhami, M. Sfaira, M. Taleb, **B. Hammouti**, N. Benchat, S. El Kadiri, A. Touimi Benjelloun, *Surface Review and Letters*, 18, N°6 (2011) 303-313.
- 219) Corrosion Inhibition of Carbon Steel by Imidazolium and Pyridinium Cations Ionic Liquids in Acidic Environment, M.A.M. Ibrahim, M. Messali, Z. Moussa, A.Y. Alzahrani, S.N. Alamry, **B. Hammouti**, *Portug. Electrochim. Acta* 29 (2011) 375-389
- 220) Ferrocene reference electrode in concentrated HNO<sub>3</sub> solutions, A. benayada, **B. Hammouti**, H. Oudda, *Phys. Chem. News*, 62 (2011)130-133.
- 221) Garoiz H., Berrabah M., Elidrissi A., **Hammouti B.**, (2011) Development GC-MS method determination of organochlorid pesticides in olive oil, *Phys. Chem. News*, 62, 134-137.
- 
- 222) Corrosion Inhibition of Copper in Nitric Acid Solutions Using a New Triazole Derivative, Zarrouk, **B. Hammouti**, H. Zarrok, M. Bouachrine, K.F. Khaled, S.S. Al-Deyab, *Int. J. Electrochem. Sci.*, 7(1) (2012)89–105
- 223) B. Zerga, **B. Hammouti**, M. Ebn Touhami, R. Tourir, M. Taleb, M. Sfaira, M. Bennajeh, I. Forssal, Comparative Inhibition Study of New Synthesised Pyridazine Derivatives Towards Mild Steel Corrosion in Hydrochloric Acid. Part-II: Thermodynamic Proprieties, *Int. J. Electrochem. Sci.*, 7N°1 (2012) 471-483.
- 224) Effect of New Synthesised Pyridazine Derivatives on the Electrochemical Behaviour of Mild Steel in 1M HCl Solution: Part-1, B. Zerga, R. Saddik, **B. Hammouti**, M. Taleb, M. Sfaira, M. Ebn Touhami, S.S. Al-Deyab, N. Benchat, *Int. J. Electrochem. Sci.*, 7 N°1 (2012) 631–642.
- 225) Elidrissi A., El barkany S., Amhamdi, H., Maaroufi A., **Hammouti B.** (2012), New approach to predict the solubility of polymers Application: Cellulose Acetate at various DS, prepared from Alfa "Stipa -tenassicima" of Eastern Morocco, *J. Mater. Environ. Sci.* 3 (2), 270-285
- 226) Prickly pear seed oil extract: A novel green inhibitor for mild steel corrosion in 1 M HCl solution, D. Ben Hmamou, R. Salghi, Lh. Bazzi, **B. Hammouti**, S.S. Al-Deyab, L. Bammou, L. Bazzi, A. Bouyanzer, *Int. J. Electrochem. Sci.*, 7 (2012)1303-1318
- 227) Corrosion Inhibition of Iron in 1M HCl by three quaternized copolymers poly(4-vinylpyridine-g-polyethylene-oxide), S. El Ayyoubi, A. Chetouani, **B. Hammouti**, A. Warthan, A. Mansri, S.S Al-Deyab, *Int. J. Electrochem. Sci.*, 7 (2012) 1639-1655
- 228) Improvement of corrosion resistance of carbon steel in hydrochloric acid medium by 3,6-bis(3-pyridyl)pyridazine, F. Bentiss, M. Outirite, M. Traisnel, H. Vezin, M. Lagrenée, **B. Hammouti**, S.S. Al-Deyab, C. Jama, *Int. J. Electrochem. Sci.*, 7 N°2 (2012) 1699-1723
- 229) Inhibition of Copper Corrosion in Acid Solution By N-1-Naphthylethylenediamine Dihydrochloride Monomethanolate Drug: Experimental And Theoretical Study : Part-1", A. Zarrouk, **B. Hammouti**, A. Dafali, H. Zarrok, R. Touzani, M. Bouachrine, M. Zertoubi, *Research on Chemical Intermediates*, 38 N°3-5 (2012) 1079-1089.
- 230) Detoxification of Bupirimate Pesticide in Aqueous Solutions by Electrochemical Oxidation, M. Errami, O. ID El Mouden, R. Salghi, M. Zougagh, A. Zarrouk, B. Hammouti, A. Chakir, S.S. Al-Deyab, M. Bouri, *Der Pharma Chim.* 4 N°1(2012) 297-310
- 231) Electrochemical impedance spectroscopy and weight loss study for new pyridazine derivative as inhibitor for copper in nitric acid, A Zarrouk, B. Hammouti, H. Zarrok, R. Salghi, A. Dafali, Lh. Bazzi, L. Bammou, S. S. Al-Deyab, *Der Pharma Chim.* 4 N°1 (2012) 337-346
- 232) The Role of 3-Amino-2-Phenylimidazo[1,2-a]Pyridine as Corrosion Inhibitor for C38 Steel in 1M HCl, A. Ghazoui, R. Saddik, N. Benchat, B. Hammouti, M. Guenbour, A. Zarrouk, M. Ramdani, *Der Pharma Chim.* 4 N°1(2012) 352-364
- 233) Investigation of the Inhibition Effect of N-1-Naphthylethylenediamine Dihydrochloride Monomethanolate on the C38 Steel Corrosion in 0.5M H<sub>2</sub>SO<sub>4</sub>, H. Zarrok, R. Salghi, A. Zarrouk, **B. Hammouti**, H. Oudda, Lh. Bazzi, L. Bammou, S. S. Al-Deyab, *Der Pharma Chim.* 4 N°1(2012) 407-416
- 234) Effect of halogen ions in the electrochemical behaviour of lead in hydrochloride medium, R. Salghi, A. Zarrouk, Lh. Bazzi, H. Zarrouk, L. Bammou, **B. Hammouti**, M. Mihit, S. S. Al-Deyab, *Der Pharma Chim.* 4N°1(2012) 448-454
- 235) Effect of the presence of sulphides ions in irrigation water on the resistance of copper corrosion, R. Salghi, A. Zarrouk, Lh. Bazzi, H. Zarrok, L. Bammou, **B. Hammouti**, M. Mihit, L. Bazzi, *Der Pharma Chim.* 4(1) (2012) 504-510
- 236) M. Bouklah, H. Harek R. Touzani, **B. hammouti**, Y. Harek, DFT and Quantum chemical investigation of molecular properties of substituted pyrrolidinones, *Arab. J. Chem.*, 5 N°2 (2012) 163-166.
- 237) Application of Argania plant extract as green corrosion inhibitor for steel in 1M HCl, L. Afia, R. Salghi, L. Bammou, Lh. Bazzi, **B. Hammouti**, L. Bazzi, *Acta Metallurg. Sinica*, 25 N°1 (2012) 10-18.

- 238) Influence of the 2-Mercapto-1-Methyl Imidazole (MMI) on the corrosion inhibition of mild steel in 5% HCl, H. B. Ouici, O. Benali, Y. Harek, S.S. Al-Deyab, L. Larabi, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 7N°3(2012) 2304-2319
- 239) Electrochemical corrosion behaviour of iron rotating disc electrode in physiological medium containing amino acids and amino esters as inhibitors, D. Bouzidi, A. Chetouani, **B. Hammouti**, S. Kertit, M. Taleb, S.S. Al-Deyab, *Int. J. Electrochem. Sci.*, 7 N°3(2012) 2334–2348.
- 240) Ben Hmamou D., Salghi R., Zarrouk A., **Hammouti B.**, Al-Deyab S.S., Bazzi Lh., Zarrok H., Chakir A., Bammou L. (2012), Corrosion inhibition of steel in 1 M hydrochloric acid medium by chamomile essential oils, *Int. J. Electrochem. Sci.*, 7, 2361-2373
- 241) M. Dahmani, S.S. Al-Deyab, A. Et-Touhami, **B. Hammouti**, A. Bouyanzer, R. Salghi, A. ElMejdoubi, Investigation of Piperanine as HCl Ecofriendly Corrosion Inhibitors for C38 Steel, *Int. J. Electrochem. Sci.*, 7N°3 (2012) 2513-2522
- 242) Y. Abboud, **B. Hammouti**, A. Abourriche, B. Ihssane, A. Bennamara, M. Charrouf, S.S Al-Deyab, 2-(o-Hydroxyphenyl)Benzimidazole as a New Corrosion Inhibitor for mild Steel in HClAcid Solution, *Int. J. Electrochem. Sci.*, 7 N°3 (2012) 2543-2551
- 243) H. Bouya, M. Errami, R. Salghi, Lh. Bazzi, A. Zarrouk, S.S. Al-Deyab, B. Hammouti, L. Bazzi, A. Chakir, Electrochemical Degradation of Cypermethrin Pesticide on a SnO<sub>2</sub> Anode, *Int. J. Electrochem. Sci.*, 7 N°4 (2012) 3453-3465
- 244) M. Benabdellah, **B. Hammouti**, A. Warthan, S.S. Al-Deyab, C. Jama, M. Lagrenée, F. Bentiss, 2,5-Disubstituted 1,3,4-Oxadiazole Derivatives as Effective Inhibitors for the Corrosion of Mild Steel In 2M H<sub>3</sub>PO<sub>4</sub> Solution, *Int. J. Electrochem. Sci.*, 7N°4(2012)3489-3500
- 245) Heat Treatment Effect of Polyphosphate Derivatives of Guanidine and Urea Copolymer on the Corrosion Inhibition of Armco Iron in Acid Solution and Antibacterial Properties, F. Bentiss, M. Lebrini, N-E. Chihib, M. Abdalah, C. Jama, M. Lagrenée, S.S. Al-Deyab, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 7(5)(2012)3947-3958.
- 246) Green Approach to Corrosion Inhibition of Mild Steel by Essential Oil Leaves of *Asteriscus Graveolens* (Forssk.) in Sulphuric Acid Medium, M. Znini, G. Cristofari, L. Majidi, A. Ansari, A. Bouyanzer, J. Paolini, J. Costa, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 7 N°5 (2012) 3959-3981.
- 247) Investigation of Newly Pyridazine Derivatives as Corrosion Inhibitors in Molar hydrochloric Acid. Part III: Computational Calculations, Z. El Adnani, M. Mcharfi, M. Sfaira, A.T. Benjelloun, M. benzakour, M. Ebn Touhami, **B. Hammouti**, M. Taleb, *Int. J. Electrochem. Sci.*, 7 N°5 (2012) 3982-3996.
- 248) Synthesis and Application of 1,7- bis (2- Hydroxy Benzamido)-4-Azaheptane an Corrosion Inhibitor of Mild Steel in Molar Hydrochloric Acid Medium, I. Belfilali, A. Chetouani, **B. Hammouti**, A. Aouniti, S. Louhibi, S.S. Al-Deyab, *Int. J. Electrochem. Sci.*, 7 N°5 (2012) 3997-4013.
- 249) Zarrok H., Al-Deyab S. S., Zarrouk A., Salghi R., **Hammouti B.**, Oudda H., Bouachrine M., Bentiss F. (2012), Thermodynamic Characterisation and Density FunctionalTheory Investigation of 1,1',5,5'-Tetramethyl-1H, 1'H-3, 3'-Bipyrazole as Corrosion Inhibitor of C38 Steel Corrosion in HCl, *Int. J. Electrochem. Sci.*, 7(5), 4047-4063.
- 250) Electrochemical Combustion of Insecticides Endosulfan and Deltamethrin in Aqueous Medium Using A Boron-Doped Diamond Anode, M. Errami, R. Salghi, A. Zarrouk, A. Chakir, S. S. Al-Deyab, **B. Hammouti**, L. Bazzi, H. Zarrok, *Int. J. Electrochem. Sci.*, 7 N°5 (2012)4272-4285.
- 251) Optimisation of hardness and setting time of dental zinc phosphate cement using a design of experiments, M. Jabri, E. Mejdoubi, **B. hammouti**, M. Elgadi, *Arab. J. Chem.* 5 N°3 (2012)347–351
- 252) Elucidation of Dimethyldodecylphosphonate and CTAB Synergism on Corrosion and Scale Inhibition of Mild Steel in Simulated Cooling Water System, N. Dkhireche, R. Abdelhadi, M. Ebn Touhami, H. Oudda, R. Tourir, M. Elbakri, M. Sfaira, **B. Hammouti**, O. Senhaji, R. Taouil, *Int. J. Electrochem. Sci.*, 7N°6 (2012)5314-5330
- 253) Temperature and Time Investigations on the Adsorption Behavior of Isoindoline, Tetrazole and Isoindoline-Tetrazole on Corrosion of Mild Steel in Acidic Medium, Y. Aouine, M. Sfaira, M. Ebn Touhami, A. Alami, **B. Hammouti**, M. Elbakri, A. El Hallaoui, R. Tourir, *Int. J. Electrochem. Sci.*, 7N°6 (2012)5400-5419.
- 254) Quantum Chemical Investigations on Quinoline Derivatives as Effective Corrosion Inhibitors for Mild Steel in Acidic Medium, Eno E. Ebenso, Mwacham M. Kabanda, Taner Arslan, Murat Saracoglu, Fatma Kandemirli, Lutendo C. Murulana, Ashish K. Singh, Sudhish K. Shukla, **B. Hammouti**, K.F. Khaled, M.A. Quraishi, I.B. Obot, N.O. Eddy, *Int. J. Electrochem. Sci.*, 7N°6 (2012)5643-5676.
- 255) Alizarin red: An efficient Inhibitor of C38 Steel Corrosion in Hydrochloric Acid, D. Ben Hmamou, R. Salghi, A. Zarrouk, H. Zarrok, **B. Hammouti**, S. S. Al-Deyab, M. Bouachrine, A. Chakir, M. Zougagh, *Int. J. Electrochem. Sci.*, 7 N°6 (2012) 5716-5733.
- 256) Synthesis, spectral, thermal, X-ray single crystal of new RuCl<sub>2</sub>(dppb)diamine complexes and their application in hydrogenation of Cinnamic aldehyde, Warad, I., Al-Hussain, H., Al-Far, R., Mahfouz, R., **Hammouti, B.**,Hadda, T.B., *Spectrochimica Acta - Part A Molecular and Biomolecular Spectroscopy*, 85 N°11 (2012) 374-381
- 257) Green Corrosion Inhibitor from Essential Oil of *Eucalyptus globulus* (Myrtaceae) for C38 Steel in Sulfuric Acid Solution, S. Rekkab, H. Zarrok, R. Salghi, A. Zarrouk, Lh. Bazzi, **B. Hammouti**, Z. Kabouche, R. Touzani, M. Zougagh, *J. Mater. Environ. Sci.* 3(4) (2012) 613-627
- 258) Copolymers of acrylamide (AM) and 4-vinylpyridine (4-VP) containing quaternary alkyl bromides, synthesis, quaternization, characterization, K. Medjahed, L. Tennouga, A. Mansri, B. Bouras, A. Chetouani, **B. Hammouti**, *Der Pharma Chim.* 4 N°3 (2012) 1058-1063.
- 259) Corrosion Inhibition Performance of 3,5-Diamino-1,2,4-triazole for Protection of Copper in Nitric Acid Solution, Zarrouk, **B. Hammouti**, S.S. Al-Deyab, R. Salghi, H. Zarrok, C. Jama, F. Bentiss, *Int. J. Electrochem. Sci.*, 7 N°7 (2012) 5997-6011.
- 260) Inhibition of Corrosion of Pure Iron by Quaternized Poly(4-Vinylpyridine)-Graft-Bromodecane in Sulphuric Acid, A. Chetouani, K. Medjahed, S.S. Al-Deyab, **B. Hammouti**, A. Mansri, A. Aouniti, I. Warad, *Int. J. Electrochem. Sci.*,7(7) (2012) 6025-60473
- 261) Verbena Extract: An efficient Inhibitor of C38 Steel Corrosion in Hydrochloric Acid, D. Ben Hmamou, R. Salghi, A. Zarrouk, S. S. Al-Deyab, H. Zarrok, **B. Hammouti**, E. Errami, *Int. J. Electrochem. Sci.*, 7 N°7 (2012) 6234-6246.
- 262) WL, I-E and EIS Studies on the Corrosion Behaviour of Mild Steel by 7-substituted 3-methylquinoxalin-2(1H)-ones and thiones in Hydrochloric Acid Medium, K. Benbouya, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, H. Benzeid, E.M. Essassi, *Int. J. Electrochem. Sci.*, 7 N°7 (2012) 6313-6330
- 263) A Theoretical Investigation on the Corrosion Inhibition of Copper by Quinoxaline Derivatives in Nitric Acid Solution, A. Zarrouk, H. Zarrok, R. Salghi, **B. Hammouti**, S.S. Al-Deyab, R. Touzani, M. Bouachrine, I. Warad, T. B. Hadda, *Int. J. Electrochem. Sci.*, 7 N°7 (2012) 6353-6364

- 264) Synergism in Mild Steel Corrosion and Scale Inhibition by a New Oxazoline in Synthetic Cooling Water, B. Labriti, N. Dkhireche, R. Touri, M. Ebn Touhami, M. Sfaira, A. El Hallaoui, **B. Hammouti**, A. Alami, **Arabian Journal for Science and Engineering**, 37 N°5 (2012) 1293-1303.
- 265) DFT Study of 7-R-3methylquinoxalin-2(1H)-ones (R=H; CH<sub>3</sub>; Cl) as Corrosion Inhibitors in Hydrochloric Acid, Z. El Adnani, M. Mcharfi, M. Sfaira, M. Benzakour, A.T. Benjelloun, M. Ebn Touhami, **B. Hammouti**, M. Taleb, **Int. J. Electrochem. Sci.**, 7 N°8 (2012) 6738 - 6751
- 266) Synthesis, Characterization and Comparative Study of New Functionalized Imidazolium-Based Ionic Liquids Derivatives Towards Corrosion of C38 Steel in Molar Hydrochloric Acid, A. Zarrouk, M. Messali, H. Zarruk, R. Salghi, A. Al-Sheikh Ali, **B. Hammouti**, S. S. Al-Deyab, F. Bentiss, **Int. J. Electrochem. Sci.**, 7(8) (2012) 6998-7015
- 267) Ghazoui A., Saddik R., Benchat N., Guenbour M., **Hammouti B.**, Al-Deyab S.S., Zarrouk A. (2012), Comparative Study of Pyridine and Pyrimidine Derivatives as Corrosion Inhibitors of C38 Steel in Molar HCl, **Int. J. Electrochem. Sci.**, 7(8), 7080-7097
- 268) 5-Naphthylazo-8-hydroxyquinoline (5NA8HQ) as a novel corrosion inhibitor for mild steel in hydrochloric acid solution, Y. Abboud, **B. Hammouti**, A. Abourriche, A. Bennamara, H. Hannache, **Research on Chemical Intermediates**, 38 N°7 (2012) 1591-1607,
- 269) Thermodynamic study of metal corrosion and inhibitor adsorption processes in copper/ N-1-naphthylethylenediamine dihydrochloride monomethanolate /nitric acid system: Part-2,A. Zarrouk, **B. Hammouti**, H. Zarruk, S. S. Al-Deyab, I. Warad, **Research on Chemical Intermediates**38(7) (2012) 1655-1668
- 270) Experimental and theoretical study for corrosion inhibition of Mild Steel 1 M HCl solution by some new diaminopropanenitrile compounds, L. Herrag, M. Bouklah N. Patel, B.M. Mistry, **B. Hammouti**, S. Elkadiri, M. Bouachrine, **Research on Chemical Intermediates**, 38 N°7(2012)1669-1690
- 271) M. Kaddouri, M. Bouklah, S. Rekkab, R. Touzani, S.S. Al-Deyab, **B. Hammouti**, A. Aouniti, Z. Kabouche, Thermodynamic, Chemical and Electrochemical Investigations of Calixarene Derivatives as Corrosion Inhibitor for Mild Steel in Hydrochloric Acid Solution, **Inter. J. Electrochem. Sci.** 7 N°9 (2012)9004-9023
- 272) H. Zarruk, A. Zarrouk, R. Salghi, Y. Ramli, **B. Hammouti**, S. S. Al-Deyab, E. M. Essassi, H. Oudda; Adsorption and Inhibition Effect of 3-Methyl-1-Propargylquinoxalin-2(1H)-One on Carbon Steel Corrosion in Hydrochloric Acid, **Inter. J. Electrochem. Sci.** 7 N°9 (2012)8958-8973
- 273) Helichrysum italicum subsp. italicum Essential Oil as Environmentally Friendly Inhibitor on the Corrosion of Mil Steel in Hydrochloric Acid, G. Cristofari, M. Znini, L. Majidi, J. Costa, **B. Hammouti**, J. Paolini, **Int. J. Electrochem. Sci.**, 7 N° 9 (2012)9024-9041
- 274) The Inhibited effect of Phenolphthalein towards the corrosion of C38 Steel in Hydrochloric Acid, D. Ben Hmamou, R. Salghi, A. Zarrouk, H. Zarruk, S. S. Al-Deyab, O. Benali, **B. Hammouti**, **Int. J. Electrochem. Sci.**, 7 N° 9 (2012)8988-9003
- 275) Inhibition Effect of Natural Junipers Extract towards Steel Corrosion in HCl Solution, L. Bammou, R. Salghi, A. Zarrouk, H. Zarruk, S. S. Al-Deyab, **B. Hammouti**, M. Zougagh, M. Errami, **Int. J. Electrochem. Sci.**, 7 N° 9 (2012)8974-8987
- 276) Corrosion control of carbon steel in phosphoric acid by purpald – Weight loss, electrochemical and XPS studies, H. Zarruk, A. Zarrouk, **B. Hammouti**, R. Salghi, C. Jama, F. Bentiss, **Corrosion Science**, 64 N° 11 (2012) 243-252
- 277) Some new ionic liquids derivatives: Synthesis, characterization and comparative study towards corrosion of C-steel in acidic media, Zarrouk, M. Messali, M. R. Aouad, M. Assouag, H. Zarruk, R. Salghi, **B. Hammouti**, A. Chetouani, **Journal of Chemical and Pharmaceutical Research**, 4 N° 7 (2012)3427-3436
- 278) Electrochemical degradation of difenoconazole on BDD electrodes, O. ID El Mouden, M. Errami, R. Salghi, A. Zarrouk, M. Assouag, H. Zarruk., S.S. Al-Deyab, **B. Hammouti**. **J. Chem. Pharm. Res.**4 N° 7 (2012) 3437-3445
- 279) Elimination of thorium ion by an adsorbent prepared from Moroccan oil shale of Timahdit activated by phosphoric acid, M. Elharti, K. Legrouri, E. Khouya, M. Oumam, H. Hannache, S. Fakhi, M. El Bouchti, N. Hanafi, **B. Hammouti** **Journal of Chemical and Pharmaceutical Research**, Vol.4 N° 7 (2012) 3460-3467
- 280) Electrooxidation of cypermethrin pesticide: A Comparative Study of SnO<sub>2</sub> and Boron Doped Diamond Anodes, H. Bouya, M. Errami, R. Salghi, A. Zarrouk, A. M. Assouag, H. Zarruk, A. Chakir, **B. Hammouti**, S. S. Al-Deyab, **Journal of Chemical and Pharmaceutical Research**, Vol.4 N° 7 (2012)3468-3477
- 281) Inhibiting effects 4,5-Diphenyl-1H-Imidazole-2-Thiol for C38 steel in 1 M HCl: Electrochemical study, Ben Hmamou, M. R. Aouad, R. Salghi, A. Zarrouk, M. Assouag, O. Benali, M. Messali, H. Zarruk, **B. Hammouti**, **Journal of Chemical and Pharmaceutical Research**, Vol.4 N° 7 (2012) 3489-3497
- 282) Inhibition of C38 steel corrosion in hydrochloric acid solution by 4,5-Diphenyl-1H-Imidazole-2-Thiol: Gravimetric and temperature effects treatments, Ben Hmamou, M. R. Aouad, R. Salghi, A. Zarrouk, M. Assouag, O. Benali, M. Messali, H. Zarruk, **B. Hammouti**, **J. Chem. Pharm. Res.** Vol.4 N° 7 (2012)3498-3504
- 283) Electrochemical degradation of imazalil and pyrimethanil by anodic oxidation on boron-doped diamond, M. Errami, R. Salghi, A. Zarrouk, M. Assouag, H. Zarruk, O. Benali, El. Bazzi, **B. Hammouti**, S.S. Al-Deyab, **Journal of Chemical and Pharmaceutical Research**, Vol.4 N° 7 (2012) 3518-3525
- 284) New synthesized 1,4-benzodiazine derivatives as corrosion inhibitors for mild steel in sulphuric acid, K. Aderdour, R. Touri, M. Ebn Touhami, M. Sfaira, H. El Kafssaoui, **B. Hammouti**, H. Benzaid, El M. Essassi, **Der Pharma Chim**, 4(7)(2012)1485-1495
- 285) Hmamou B.D., Salghi R., Zarrouk A., Messali M., Zarruk H., Errami M., **Hammouti B.**, Bazzi Lh., Chakir A. (2012) Inhibition of steel corrosion in hydrochloric acid solution by chamomile extract, **Der Pharma Chim.**4 N°4, 1496-1505
- 286) The effect of 3-cyclohexylamino-propionitrile and aminocyclohexane on the behaviour steel in HCl solution, L. Herrag, A. Chetouani, **B. Hammouti**, A. Aouniti, A. Zarrouk, S. El Kadiri, **Der Pharma Chim.**4 N°4(2012)1522-1534
- 287) On the adsorption properties of an imidazole-pyridine derivative as corrosion inhibitor of mild steel in 1 M HCl, O. El Khattabi, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, L. Herrag, M. Mcharfi, **Der Pharma Chim.**4(4)(2012)1759-1768
- 288) Inhibition of copper corrosion by bipyrazole in aerated 3% NaCl, **B. Hammouti**, A. Dafali, R. Touzani, M. Bouachrine, **Journal of Saudi Chemical Society**, 16 N°4 (2012)413-418.
- 289) Essential oil of salvia Aucheri mesatlantica as a green inhibitor for the corrosion of steel in 0.5M H<sub>2</sub>SO<sub>4</sub>, M. Znini, L. Majidi, A. Bouyanzer, J. Paolini, J-M. Desjobert, J. Costa, **B. Hammouti**, **Arab. J. Chem**, 5 N°4 (2012)467-474
- 290) (2,9-Dimethyl-1,10-phenanthroline-j2N,N)bis(thiocyanato-jS)mercury(II), I. Warad, T. Ben Hadda, **B. Hammouti**, S.F. Haddad, **Acta Crystallographica Section E: Structure Reports Online**, E68 (2012) m1259
- 291) Argan Hulls Extract: A novel Green Inhibitor for Mild Steel Corrosion in 1 M HCl Solution, L. Afia, R. Salghi, E.H. Bazzi, A. Zarrouk, **B. Hammouti**, M. Bouri, H. Zarrouk, L. Bazzi, L. Bammou, **Res. Chem. Interm.**, 38(8) (2012) 1707-1717.

- 292) Catecholase activity investigation for pyridazinone- and thiopyridazinone-based ligands, R. Saddik, F. Abridgach, N. Benchat, S. El Kadiri, **B. Hammouti**, R. Touzani, **Res. Chem. Intern.**, 38 N°8 (2012) 1987-1998
- 293) Theoretical study of the corrosion inhibition of some bipyrazolic derivatives: a conceptual DFT investigation, N. Boussalah, S. Ghalem, S. El Kadiri, **B. Hammouti**, R. Touzani, **Res. Chem. Intern.**, 38 N°8 (2012) 2009-2023.
- 294) Some New Bipyrazole Derivatives as Corrosion Inhibitors for C38 Steel in Acidic Medium, H. Zarrok, H. Oudda, A. El Midaoui, A. Zarruk, **B. Hammouti**, M. Ebn Touhami, A. Attayibat, S. Radi, R. Touzani, **Res. Chem. Intern.**, 38 N°8 (2012) 2051-2063.
- 295) Analysis of cypermethrin residues and its main degradation products in soil and formulation samples by gas chromatography-electron impact-mass spectrometry in the selective ion monitoring mode, H. Garoiz, M. Berrabah, **B. Hammouti**, M.A. Rios, **Int. J. Envir. Anal. Chem.**, 12 N°12(2012)1378-1388
- 296) Niketan S Patel, Smita Jauhari, Girishkumar N Mehta, **B. Hammouti**, S. S. Al-Deyab, M. Bouachrine, The effect of 2-aminoquinoline-6-carboxylic acid on the corrosion behaviour of mild steel in hydrochloric acid, **J. Iranian Chem. Soc.**, 59 N°5 (2012) 635-641, DOI: 10.1007/s13738-012-0081-8
- 297) Substitution Effect of two Oxygen Atoms by Sulphur Atoms in New Synthesized Benzodiazepine Molecules towards Mild Steel Corrosion Inhibition in Hydrochloric Acid, W. Niouri, B. Zerga, M. Sfaira, M. Taleb, **B. Hammouti**, M. Ebn Touhami, S.S. Al-Deyab H. Benzeid, El M. Essassi, **Int. J. Electrochem. Sci.**, 7 N°10 (2012)10190-10204
- 298) The Adsorption and Corrosion Inhibition of 2-[Bis-(3,5-dimethyl-pyrazol-1-ylmethyl)-amino]-pentanedioic Acid on Carbon Steel Corrosion in 1.0 m HCl, A. Zarruk, H. Zarrok, R. Salghi, N. Bouroumane, **B. Hammouti**, S. S. Al-Deyab, R. Touzani, **Int. J. Electrochem. Sci.**, 7 N°10 (2012) 10215-10232.
- 299) Anodic Destruction of 4-methyl Pyrimidine Solution Using a Boron-Doped Diamond Anode, M. Errami, R. Salghi, A. Zarruk, S. S. Al-Deyab, H. Zarrok, **B. Hammouti**, **Int. J. Electrochem. Sci.**, 7 N°10 (2012) 10313-10324.
- 300) Stereoselective Synthesis and Corrosion Inhibition Behaviour of Allyldihydrocarveols on Steel in Molar Hydrochloric Acid, S. Kharchouf, L. Majidi, M. Znini, J. Costa, **B. Hammouti**, J. Paolini, **Int. J. Electrochem. Sci.**, 7 N°10 (2012) 10325-10337.
- 301) Gravimetric and Electrochemical Evaluation of 1-allyl-1H-indole-2,3-dione of Carbon Steel Corrosion in Hydrochloric Acid, H. Zarrok, K. Al Mamari, A. Zarruk, R. Salghi, **B. Hammouti**, S. S. Al-Deyab, E. M. Essassi, F. Bentiss, H. Oudda, **Int. J. Electrochem. Sci.**, 7 N°10 (2012) 10338-10357.
- 302) Abouatallah A., Salghi R., El Fadl A., **Hammouti B.**, Zarruk A., Atraoui A., Ghnizar Y. (2012), Shading Nets Usefulness for Water Saving on Citrus Orchards under Different Irrigation Doses, **Current World Environment**, 7(1), 13-22
- 303) Ben Hammou D., Salghi R., Zarruk A., Benali O., Fadel F., Zarrok H., **Hammouti B.**, Carob seed oil: an efficient inhibitor of C38 steel corrosion in hydrochloric acid, **Int. J. Ind. Chem.** 3 (2012) 25
- 304) Adsorption and corrosion inhibitive properties of some tripodal pyrazolic compounds on mild steel in hydrochloric acid systems, H. Bendaha A. Zarruk, A. Aouniti, **B. Hammouti**, S. El Kadiri, R. Salghi, R. Touzani, **Phys. Chem. News** 64 (2012) 95-103
- 305) The inhibition of corrosion of mild steel in hydrochloric acid solution in the presence of phosphite crystal; L. Herrag, A. Chetouani, **B. Hammouti**, A. Aouniti, B. El Bali, M. Lachkar, **Phys News. Chem.** 64 (2012) 104-111
- 306) Phytobac, a practical tool management of pesticides wastes (Le phytobac, un outil pratique de gestion des effluents phytosanitaires) Hormatallah, Lh. Bazzi, R. Salghi, A. Zarruk, H. Zarrok, **B. Hammouti**, **Phys. Chem. News** 64 (2012) 112-119
- 307) Poly(4-vinylpyridine-hexadecylbromide) as corrosion inhibitor for mild steel in acid chloride solution, S. Belkaid, K. Tebbji, A. Mansri, A. Chetouani, **B. Hammouti**, **Res. Chem. Interned.**, 38 N°9 (2012) 2309-2325
- 308) Theoretical study using DFT calculations on inhibitory action of four pyridazines on corrosion of copper in nitric acid, A. Zarruk, **B. Hammouti**, H. Zarrok, R. Salghi, M. Bouachrine, F. Bentiss, S. S. Al-Deyab, **Research on Chemical Intermediates**, 38 N°9 (2012) 2327-2334
- 309) Catechol oxidation: activity studies using electron-rich nitrogen-based ligands, A. Mouadili, A. Zerrouki, L. Herrag, **B. Hammouti**, S. El Kadiri, R. Touzani, **Research on Chemical Intermediates**, 38 N°9 (2012) 2427-2433
- 310) Evaluation of catalytic activity of imidazolo[1,2-a]pyridine derivatives: oxidation of catechol, R. Saddik, M. Khoutoul, N. Benchat, **B. Hammouti**, S. El Kadiri, R. Touzani, **Research on Chemical Intermediates**, 38 N°9 (2012) 2457-2470
- 311) Inhibition of Mild Steel Corrosion by some Phenyltetrazole Substituted Compounds in Hydrochloric Acid, Elkacimi Y., Achnin M., Aouine Y., Touhami M.E., Alami A., Tourir R., Sfaira M., Chebabbe D., Elachqar A., **Hammouti B.**, **Portug. Electrochim. Acta**, 30 N°1 (2012) 53-65.
- 312) Adsorption and corrosion inhibition of some tripodal compounds for mild steel in molar hydrochloric acid medium, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, A. Attayibat, S. Radi, A. T. Benjelloun, **Der Pharma Chemica**, 4(5) (2012) 1887-1896
- 313) Impact assessment of drippers' distribution around the tree on soil moisture, roots and fruits growth of Citrus, A. Abouatallah, R. Salghi, A. El Fadl, N. Affi, Y. Ghnizar, A. Zarruk, **B. Hammouti**, **Der Pharma Chemica**, 4(5)(2012) 1969-1981
- 314) Preparation of Adsorbent Material from Moroccan Oil Shele of Timahdit: Optimization of Parameters Processes and Adsorption Tests, M. Elharti, K. Legrouri, E. Khouya, H. Hannache, S. Fakhi, M. El bouchti, N. Hanafi, A. Solhy, **B. Hammouti**, **Der Pharma Chemica**, 4(5) (2012)2130-2139
- 315) Alanine as Corrosion Inhibitor for Iron in Acid Medium: A Molecular Level Study, K.F. Khaled, N. S. Abdelshafi, A. A. El-Maghraby, A. Aouniti, N. Al-Mobarak, B. Hammouti, **Int. J. Electrochem. Sci.**, 7 N°12 (2012) 12706 - 12719.
- 316) 3,7-Dimethylquinoxalin-2-(1H)-one for inhibition of acid corrosion of carbon steel, H. Zarrok, A. Zarruk, R. Salghi, Y. Ramli, **B. Hammouti**, M. Assouag, E. M. Essassi, H. Oudda, M. Taleb, **J. Chem. Pharmac. Res.**, 4 N°12(2012)5048-5055
- 317) Zarrok H., Zarruk A., Salghi R., Oudda H., **Hammouti B.**, Assouag M., Taleb M., Ebn Touhami M., Bouachrine M., Boukhris S. (2012) Gravimetric and quantum chemical studies of 1-[4-acetyl-2-(4-chlorophenyl)quinoxalin-1(4H)-yl]acetone as corrosion inhibitor for carbon steel in hydrochloric acid solution,, **J. Chem. Pharmac. Res.**, 4 N°12, 5056-5066
- 318) Inhibitive Action of Argan Press Cake Extract on the Corrosion of Steel in Acidic Media, L. Afia, R. Salghi, A. Zarruk, H. Zarrok, O. Benali, **B. Hammouti**, S.S. Al-Deyab, A. Chakir, L. Bazzi, **Portug. Electrochim. Acta**, 30 N°4 (2012)267-279
- 319) Oxidation of the Pesticide Dicofol at Boron-Doped Diamond Electrode, O. Id El Mouden, M. Errami, R. Salghi, A. Zarruk, H. Zarrok, **B. Hammouti**, **Journal of Chemica Acta** 1N°1 (2012) 44-48
- 320) D. Ben Hmamou, R. Salghi, H. Zarrok, A. Zarruk, **B. Hammouti**, M. El Hezzat, M. Bouachrine, Temperature Effects on the Corrosion Inhibition of Carbon Steel in Acidic Solutions by Alizarin Red, **Adv. Mater. Corros.** 1 N°1(2012) 36-42
- 321) A Combined Experimental and Theoretical Study on the Corrosion Inhibition and Adsorption Behaviour of Quinoxaline Derivative During Carbon Steel Corrosion in Hydrochloric Acid, H. Zarrok, A. Zarruk, R. Salghi, H. Oudda, **B. Hammouti**, M. Ebn Touhami, M. Bouachrine, S. Boukrisse, **Por. Electrochim. Acta**, 30(6) (2012) 405-417

- 322) Analyse des Residus de Pesticides sur Pêches et Nectarines de la Region de Souss (Analysis of Pesticide Residues in Peaches and Nectarines in Region de Souss), Lh. Bazzi, M. Errami, R. Salghi, A. Hormatallah, A. Zarrouk, H. Zarrok., **B. Hammouti, J. Mater. Environ. Sci.** 4 (1) (2013) 159-164.
- 323) Afia A., Salghi R., Zarrouk A., Zarrok H., **Hammouti B.**, Zougagh M. (2013), Comparative study of corrosion inhibition on mild steel in HCl medium by three green compounds: Argania spinosa press cake, kernels and hulls extracts, **Transactions of the Indian Institute of Metals**, 66 N°1, 43-49.
- 324) Evaluation of N-containing organic compound as corrosion inhibitor for carbon steel in phosphoric acid, A. Zarrouk, H. Zarrok, R. Salghi, **B. Hammouti**, F. Bentiss, R. Tourir, M. Bouachrine, **J. Mater. Environ. Sci.** 4 (2) (2013) 177-192
- 325) Electrochemical degradation of buprofezin insecticide in aqueous solutions by anodic oxidation at boron-doped diamond electrode, Errami, M., Salghi, R., Zougagh, M., Zarrouk, A., Bazzi, E.H., Chakir, A., Zarrok, H., **B. Hammouti**, Bazzi, L. **Res. Chem. Intermed.**, 39 N°2 (2013) 505-516
- 326) Synthesis and optimization of new calcium phosphate ceramic using a design of experiments, Jabri M., Mejdoubi E., Elgadi M., **Hammouti B.** (2013), **Res. Chem. Intermed.**, 39 N°2, 659-669
- 327) Synthesis, spectral, thermal, and a crystalline structure of complexes containing [MeC(CH<sub>2</sub>PPH<sub>2</sub>)<sub>3</sub>Cu(I)], I. Warad, O.H. Abd-Elkader, A. Boshala, N. Al-Zaqri, **B. Hammouti**, T. Ben Hadda, **Res. Chem. Intermed.**, 39 N°2 (2013) 721-732
- 328) Trans/cis isomerization of [RuCl<sub>2</sub>(diphosphine)(diamine)] complexes: Synthesis, X-ray structure and catalytic activity in hydrogenation, I. Warad, H. AlHussen, H. Alanazi, R. Mahfouz, B. **Hammouti**, M. A. Al-Dosari, R. Al-Far, T. Ben Hadda, **Spectrochim. Acta Part A: Molecular and Biomolecular Spectroscopy**, 105N°15 (2013) 466-473
- 329) Ghazoui A., Bencat N., Al-Deyab S.S., Zarrouk A., **Hammouti B.**, Ramdani M., Guenbour M. (2013), An Investigation of Two Novel Pyridazine Derivatives as Corrosion Inhibitor for C38 Steel in 1.0 M HCl, **Int. J. Electrochem. Sci.**, 8(2), 2272-2292
- 330) Al Hamzi A. H., Zarrok, H. Zarrouk A., Salghi R., **Hammouti B.**, Al-Deyab S.S., Bouachrine M., Amine A., Guenoun F. (2013), The Role of Acridin-9(10H)-one in the Inhibition of Carbon Steel Corrosion: Thermodynamic, Electrochemical and DFT Studies, **Int. J. Electrochem. Sci.**, 8 N°2, 2586-2605
- 331) Mild Steel Corrosion Inhibition by Various Plant Extracts in 0.5 M Sulphuric acid, N S Patel, S Jauhariand, G N Mehta, S.S. Al-Deyab, I. Warad, **B. Hammouti**, **Int. J. Electrochem. Sci.**, 8 N°2 (2013) 2635-2655
- 332) Inhibitive Properties and Adsorption of Purpald as Corrosion Inhibitor for Copper in Nitric Acid Medium, A. Zarrouk, **B. Hammouti**, A. Dafali, F. Bentiss, **Ind. Eng. Chem. Res.** 52 N°7(2013) 2560-2568.
- 333) Quantum Chemical Studies on the Inhibiting Effect of New Synthesized Bipyrazols of C38 Steel Corrosion in 1M HCl, A. Guendouz, N. Missoum, A. Chetouani, S.S. Al-Deyab, B. Ben Cheikhe, N. Boussalah, **B. Hammouti**, M. Taleb, A. Aouniti, **Int. J. Electrochem. Sci.**, 8 N°3 (2013) 4305 - 4327
- 334) Evaluation of Eryngium maritimum Essential Oil as Environmentally Friendly Corrosion Inhibitor for Mild Steel in Hydrochloric Acid Solution, F. Darriet, M. Znini, L. Majidi, A. Muselli, **B. Hammouti**, A. Bouyanzer, J. Costa, **Int. J. Electrochem. Sci.**, 8 N°3 (2013) 4328 – 4345
- 335) Investigation of the Inhibitive Effect of 2-(Ethylthio)-1,4,5-Triphenyl-1H-Imidazole on Corrosion of Steel in 1 M HCl, L. Afia, N. Rezki, M. R. Aouad, A. Zarrouk, H. Zarrok, R. Salghi, **B. Hammouti**, M. Messali, S.S. Al-Deyab, **Int. J. Electrochem. Sci.**, 8 N°3 (2013) 4346 - 4360
- 336) Adsorption and corrosion inhibition of mild steel in hydrochloric acid solution by verbena essential oil, D. Ben Hmamou, R. Salghi, A. Zarrouk, H. Zarrok, M. Errami, **B. Hammouti**, L. Afia, Lh. Bazzi, L. Bazzi, **Res. Chem. Intermed.**, 39(2013) 973-989
- 337) Theoretical approach to the corrosion inhibition efficiency of some quinoxaline derivatives of steel in acid media using the DFT method, A. Zarrouk, I. El Ouali, M. Bouachrine, **B. Hammouti**, Y. Ramli, E. M. Essassi, I. Warad, A. Aouniti, R. Salghi, **Res. Chem. Intermed.**, 38 N°3(2013) 1125–1133.
- 338) Quantum chemical study of some triazoles as inhibitors of corrosion of copper in acid media, A. Zarrouk, H. Zarrok, R. Salghi, **B. Hammouti**, R. Tourir, I. Warad, F. Bentiss, H. Abou El Makarim, N. Bencat, **Res. Chem. Intermed.**, 39 (2013) 1279–1289.
- 339) Realisation of ferrocene reference electrode in concentrated HF media, A. Benayada, **B. Hammouti**, H. Oudda, **Journal of Chemica Acta 2** (2013) 18-21
- 340) Synergistic effect of AM-4VP-9 copolymer and iodide ion on corrosion inhibition of mild steel in 1 M H<sub>2</sub>SO<sub>4</sub>, A. Mansri, B. Bouras, **B. Hammouti**, I. Warad, A. Chetouani, **Res. Chem. Intermed.**, 39 N°4 (2013) 1753-1770
- 341) Investigation of 4-Amino-3-Hydrazino-5-Mercapto-1,2,4-Triazole as Corrosion Inhibitor for C38 Steel in Hydrochloric Acid Medium, Zarrok H., Oudda H., Zarrouk A., Salghi R., **Hammouti B.**, Ebn Touhami M., Al-Deyab A.A., **Gazi University Journal of Science**, 26 N°1 (2013) 21-29
- 342) pH Measurements in diluted H<sub>3</sub>PO<sub>4</sub> solutions by potentiometric method at imposed current intensity, Benayada A., **Hammouti B.**, **J. Mater. Environ. Sci.** 4 (4) (2013) 417-419
- 343) Metal ions as Antitumor Complexes-Review, Warad I., Eftaiha A.F., Al-Nuri M.A., Husein A.I., Assal M., Abu-Obaid A., Al-Zaqri N., Ben Hadda T. **Hammouti B.**, **J. Mater. Environ. Sci.** 4 (4) (2013) 542-557
- 344) Aouniti, K.F. Khaled, **B. Hammouti**, Correlation Between Inhibition Efficiency and Chemical Structure of Some Amino Acids on the Corrosion of Armco Iron in Molar HCl, **Int. J. Electrochem. Sci.**, 8(4) (2013) 5925-5943
- 345) A. Anejjar, A. Zarrouk, R. Salghi, D. Ben Hmamou, H. Zarrok, S. S. Al-Deyab, M. Bouachrine, **B. Hammouti**, N. Bencat, Computational and Experimental Evaluation of the Acid Corrosion Inhibition of Carbon Steel by 7-Methyl-2-Phenylimidazo[1,2-a]Pyridine, **Int. J. Electrochem. Sci.**, 8 N°4 (2013) 5961-5979
- 346) Ousslim A., Chetouani A., **Hammouti B.**, Bekkouch K., Al-Deyab S.S., Aouniti A., Elidrissi A. (2013), Thermodynamics, Quantum and Electrochemical Studies of Corrosion of Iron by Piperazine Compounds in Sulphuric Acid, **Int. J. Electrochem. Sci.**, 8(4), 5980-6004
- 347) H. Bouammali, A. Ousslim, K. Bekkouch, B. Bouammali, A. Aouniti, S.S. Al-Deyab, C. Jama, F. Bentiss, **B. Hammouti**, The Anti-Corrosion Behavior of Lavandula dentata Aqueous Extract on Mild Steel in 1M HCl, **Int. J. Electrochem. Sci.**, 8 N°4 (2013) 6005-6013
- 348) H. Zarrok, A. Zarrouk, R. Salghi, M. Ebn Touhami, H. Oudda, **B. Hammouti**, R. Tourir, F. Bentiss, S. S. Al-Deyab, Corrosion Inhibition of C38 Steel in Acidic Medium Using N-1 Naphthylethylenediamine Dihydrochloride Monomethanolate, **Int. J. Electrochem. Sci.**, 8 N°4 (2013) 6014-6032
- 349) Senhaji B., Ben Hmamou D., Salghi R., Zarrouk A., Chebli B., Zarrok H., Warad I., **Hammouti B.**, Al-Deyab S. S. (2013) Asteriscus Imbricatus Extracts: Antifungal Activity and Anticorrosion Inhibition, **Int. J. Electrochem. Sci.**, 8 N°4, 6033-6046

- 350) Synthesis, characterization and the antimicrobial activity of new eco-friendly ionic liquids, M. Messali, Z. Moussa, A.Y. Alzahrani, M.Y. El-Naggar, A.S. EIDouhaibi, Z.M.A. Judeh, B. Hammouti, *Chemosphere*, 91N°11 (2013)1627–1634
- 351) Experimental investigation and theoretical approach on water soluble acridin derivative as corrosion inhibitor, A. H. Al Hamzi, H. Zarrok, A. Zarrouk, R. Salghi, B. Hammouti, M. Bouachrine, A. Amine, F. Guenoun, H. Oudda, *Der Pharma Lettre*, 5 (2) (2013) 27-39
- 352) Inhibitive properties and thermodynamic characterization of quinoxaline derivative on carbon steel corrosion in acidic medium, H. Zarrok, A. Zarrouk, R. Salghi, M. Assouag, B. Hammouti, H. Oudda, S. Boukhris, S. S. Al Deyab, I. Warad, *Der Pharma Lettre*, 5 (2) (2013) 43-53
- 353) Investigation of the inhibition effect of 2-amino-4 methylphenylamine on corrosion of copper in 2.0 M HNO<sub>3</sub>, A. Zarrouk, H. Zarrok, R. Salghi, A. Dafali, M. Assouag, M. El Hezzat, B. Hammouti, H. Oudda, *Der Pharma Lettre*, 5 (2) (2013) 69-77
- 354) Inhibition of carbon steel corrosion in phosphoric acid solution by Alizarin red, D. Ben Hmamou, R. Salghi, A. Zarrouk, H. Zarrok, M. Assouag, B. Hammouti, S. S. Al-Deyab, M. El Hezzat, *Der Pharma Lettre*, 5 (2) (2013)135-142
- 355) Juniper oxycedrus extract as corrosion inhibitor for carbon steel in HCl medium, M. Belkhaouda, L. Bammou, R. Salghi, A. Zarrouk, D. Ben Hmamou, H. Zarrok, M. Assouag, B. Hammouti, S.S. Al-Deyab, *Der Pharma Lettre*, 5(2) (2013)143-152
- 356) Hexavalent chromium removal from aqueous solution by adsorbent prepared from Moroccan oil shale of Timahdit, M. El Harti, H. Hannache, E. Khouya, N. Hanafi, M. El Bouchti, A. Zarrouk, S. Fakhi, L. Afrin, A. Saoiabi, B. Hammouti, *Der Pharma Lettre*, 5 (2) (2013) 338-346
- 357) L. Majidi, M. Znini, A. Ansari, B. Hammouti, C. Jama, J. Costa, J. Paolini, Evaluation of Anticorrosive Effect of Synthesised Carveol Derivatives on Steel in Hydrochloric Acid, *Int. J. Electrochem. Sci.*, 8 N°5 (2013)7381-7393
- 358) Boudalia M., Guenbour A., Bellaouchou A., Laqhaili A., Mousaddak M., Hakiki A., Hammouti B., Ebenso E.E. (2013) Corrosion Inhibition of Organic Oil Extract of Leaves of *Lanvandula Stoeckas* on Stainless Steel in Concentrated Phosphoric Acid Solution, *Int. J. Electrochem. Sci.*, 8 N°5, 7414-7424.
- 359) M. Belkhaouda, L. Bammou, A. Zarrouk, R. Salghi, E. E. Ebenso, H. Zarrok, B. Hammouti, L. Bazzi, I. Warad, Inhibition of C-steel Corrosion in Hydrochloric Solution with *Chenopodium Ambrrosioides* Extract, *Int. J. Electrochem. Sci.*, 8 N°5 (2013)7425-7436
- 360) M. Bouklah, M. Kaddouri, Y. Toubi, B. Hammouti, S. Radi, E. E. Ebenso, Corrosion Inhibition of Steel in Hydrochloric Acid Solution by New N,N'-Bipyrazole Piperazine Derivatives, *Int. J. Electrochem. Sci.*, 8 N°5 (2013) 7437-7454
- 361) H. Bouya, M. Errami, R. Salghi, Eno E. Ebenso, A. Zarrouk, A. Chakir, B. Hammouti, Electrochemical Oxidation of 2-Nitrobenzaldehyde on Boron-Doped Diamond Anodes, *Int. J. Electrochem. Sci.*, 8 N°5 (2013)7468-7478
- 362) Studies on the Inhibitive Effect of the Ammonium Iron (II) Sulphate on the Corrosion of Carbon Steel in HCl Solution, Anejjar A., Zarrouk A., Salghi R., Zarrok H., Ben Hmamou D., Hammouti B., Elmahi B., Al-Deyab S.S., *J. Mater. Environ. Sci.* 4 (5) (2013) 583-592
- 363) Suleiman M., Mousa M., Hussein A., Hammouti B., Hadda T. B., Warad I. (2013) Copper(II)-Oxide Nanostructures: Synthesis, Characterizations and their Applications—Review, *J. Mater. Environ. Sci.* 4 (5), 792-797
- 364) Inhibitive effect of imidazopyridine derivative towards corrosion of C38 steel in hydrochloric acid solution, Ghazoui, R. Saddik, B. Hammouti, A. Zarrouk, N. Benchat, M. Guenbour, S. S. Al-Deyab, I. Warad, *Res. Chem. Intermed.*,39 (2013) 2369-2377
- 365) Novel di- $\mu$ -chloro-bis[chloro(4,7-dimethyl-1,10-phenanthroline)cadmium(II)] dimer complex: synthesis, spectral, thermal, and crystal structure studies, I. Warad, M. Al-Ali, B. Hammouti, T. Ben Hadda, R. Shareiah, M. Rzaigui, *Res. Chem. Intermed.*,39 N°6 (2013) 2451-2461.
- 366) An investigation of carbon steel corrosion inhibition in hydrochloric acid medium by an environmentally friendly green inhibitor; M. Larif, A. Elmidaoui, A. Zarrouk, H. Zarrok, R. Salghi, B. Hammouti, H. Oudda, F. Bentiss, *Res. Chem. Intermed.*,39 N°6(2013) 2777-2793
- 367) Inhibition of mild steel corrosion in 5 % HCl solution by 5-(2-hydroxyphenyl)-1,2,4-triazole-3-thione, H. B. Ouici, O. Benali, Y. Harek, L. Larabi, B. Hammouti, A. Guendouzi, *Res. Chem. Intermed.*,39 N°6(2013)2777-2793
- 368) rac-(E,E)-N,N'-Bis(2-chlorobenzylidene)cyclohexane-1,2-diamine, I. Warad, M. Al-Noaimi, S.F. Haddad, Y. Al-Demeri, B. Hammouti, *Acta Cryst. E*69 (2013) o1075 [doi:10.1107/S1600536813014554]
- 369) Thermodynamic Study and Characterization by Electrochemical Technique of Pyrazole Derivatives as Corrosion Inhibitors for C38 Steel in Molar Hydrochloric Acid, I. El Ouali, A. Chetouani, B. Hammouti, A. Aouniti, R. Touzani, S. El Kadiri, S. Nlate, *Portugaliae Electrochimica Acta*, 31(2) (2013) 405-417
- 370) Pesticide residue monitoring in green beans from Sous-Massa Valley in Morocco L. Bazzi, M. Errami, M. Zougagh, R. Salghi, A. Zarrouk, H. Zarrok, M. Assouag, B. Hammouti, *Der Pharmacia Lettre*, 5(3) (2013) 292-296
- 371) The effect of Anemone coronaria Extract on the corrosion of carbon steel in 1.0 M hydrochloric acid M. Belkhaouda, L. Bammou, R. Salghi, A. Zarrouk, H. Zarrok, M. Assouag, S. S. Al-Deyab, B. Hammouti, *Der Pharma Lettre*, 5 (3) (2013) 297-303
- 372) Electrooxidation of 2-nitrobenzaldehyde: A comparative study of SnO<sub>2</sub> and boron doped diamond anodes H. Bouya, R. Salghi, M. Errami, A. Chakir, A. Zarrouk, M. Assouag, B. Hammouti, A. Chaouch, *Der Pharma Lettre*, 5 (3) (2013)304-309
- 373) Anti-corrosion properties of indole derivative for carbon steel in HCl solution, K. Al Mamari, H. Zarrok, A. Zarrouk, R. Salghi, E.E. Ebenso, B. Hammouti, A. Chaouch, H. Oudda, E. M. Essassi, M. El Bakri, *Der Pharma Lettre*, 5(3) (2013)319-326
- 374) Corrosion and corrosion inhibition of carbon steel in hydrochloric acid solutions by 2-[Bis-(3,5-dimethyl-pyrazol-1-ylmethyl)-amino]-3-hydroxy-butyric acid, Zarrok H., Zarrouk A., Salghi R., Assouag M., Bouroumane N., Ebenso E. E., Hammouti B., Touzani R., Oudda H. (2013). *Der Pharma Lettre*, 5 (3), 327-335
- 375) Alaoui S. M., A. Abouatallah A., Salghi R., Amahmid Z., Bettouche J., Zarrouk A., Hammouti B. (2013), Impact assessment of deficit irrigation on yield and fruit quality in peach orchard, *Der Pharmacia Chemica*, 5 (3), 236-243
- 376) Aldwayyan A.S., Al-Jekhedab F.M., Al-Noaimi M., Hammouti B., Hadda T.B., Suleiman M., Warad I. (2013), Synthesis and Characterization of CdO Nanoparticles Starting from Organometallic Dmphen-CdI<sub>2</sub> complex, *Int. J. Electrochem. Sci.*, 8 N°8, 10506-10514.
- 377) New Catalysts for Chemoselective Reduction of  $\alpha, \beta$ -unsaturated ketones: Synthesis, Spectral, Structural and DFT Characterisations of Mixed Ruthenium(II) Complexes Containing 2-ethene-1,3-bis(diphenylphosphino)propane and diamines Ligands, I. Warad, M. Al-Noaimi, O.S. Abdel-Rahman, M. AlDamend, B. Hammouti, T.B. Hadda, *Polyhedron*, 63(2013)182
- 378) (E)-N'-(2-chlorobenzylidene)thiophene-2-carbohydrazide, I. Warad, S.F. Haddad, M. Al-Noaimi, B. Hammouti, T. Ben Hadda, *Acta Cryst. E*69 (2013) o1442
- 379) The effect of some triazole derivatives as inhibitors for the corrosion of mild steel in 5 % hydrochloric acid, H. B. Ouici, O. Benali, Y. Harek, L. Larabi, B. Hammouti, Guendouzi, *Res. Chem. Intermed.*,39 N°7 (2013) 3089-3103.

- 380) Hydratation mechanism of a zinc phosphate cement and development of its mechanical profile, M. Jabri, E. Mejdoubi, M. El Gadi, **B. Hammouti**, *Res. Chem. Intermed.*, 39 N°7(2013) 3117-3126.
- 381) Medjahed, K., Tennouga, L., Mansri, A., Chetouani, A., **Hammouti B.**, Desbrières, J. (2013), Interaction between poly(4-vinylpyridine-graft-bromodecane) and textile blue basic dye by spectrophotometric study, *Res. Chem. Intermed.*, 39 N°7 3199-3208.
- 382) Inhibition effect of horehound (*Marrubium vulgare* L.) extract towards C38 steel corrosion in HCl solution, Ben Hmamou, D., Salghi, R., Zarrouk, A., Zarrok, H., Benali, O., Errami, M., **B. Hammouti**, *Res. Chem. Intermed.*, 39 N°7(2013) 3291-3302.
- 383) Synthesis and evaluation of bipyrazolic derivatives as corrosion inhibitors for C38 steel in molar hydrochloric acid, N. Missoum, A. Guendouz, N. Boussalah, **B. Hammouti**, A. Chetouani, M. Taleb, A. Aouniti, S. Ghalem, *Research on Chemical Intermediates*, 39 N°7 (2013) 3441-3461.
- 384) Electrochemical Treatment of Aqueous Wastes Agricole Containing Oxamyl By BDD-Anodic Oxidation, W. Melliti, M. Errami, R. Salghi, A. Zarrouk, Lh. Bazzi, H. Zarrok, **B. Hammouti**, S.S. Al-Deyab, S. Fattouch, F. Raboudi, *Int. J. Electrochem. Sci.*, 8 N°9 (2013) 10921-10931
- 385) Inedible Avocado Extract: An Efficient Inhibitor of Carbon Steel Corrosion in Hydrochloric Acid, M. Belkhaouda, L. Bammou, R. Salghi, A. Zarrouk, Eno. E. Ebenso, H. Zarrok, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 8 N°9 (2013) 10987-10999
- 386) Inhibition of Copper Corrosion by 2-Aminobenzenethiol in Aerated 2 M HNO<sub>3</sub> Medium, A. Zarrouk, H. Zarrok, R. Salghi, **B. Hammouti**, Eno E. Ebenso, F. Bentiss, H. Oudda, M. Elbakri, R. Touri, *Int. J. Electrochem. Sci.*, 8 N°9(2013) 11000-11018
- 387) Antifungal Activity and Anti-Corrosion Inhibition of *Origanum Compactum* Extracts, F. Fadel, D. Ben Hmamou, R. Salghi, B. Chebli, O. Benali, A. Zarrouk, E.E. Ebenso, A. Chakir, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 8 N°9(2013) 11019-11032
- 388) An Experimental and Theoretical Investigation of Adsorption Characteristics of a Quinoxaline Compound as Corrosion Inhibitor at Carbon Steel/Hydrochloric Acid Interface, H. Zarrok, A. Zarrouk, R. Salghi, B. Elmahi, **B. Hammouti**, S.S. Al-Deyab, M. Ebn Touhami, M. Bouachrine, H. Oudda, S. Boukhris, *Int. J. Electrochem. Sci.*, 8 N°9(2013) 11474-11491
- 389) Adsorption and Corrosion Inhibition of Steel in Hydrochloric Acid Solution by 3-bromo-2-phenylimidazo[1,2-a] pyridine, A. Anejjar, R. Salghi, A. Zarrouk, O. Benali, H. Zarrok, **B. Hammouti**, S.S. Al-Deyab, N. Benchat, A. Elaiaoui, *Int. J. Electrochem. Sci.*, 8 N°9(2013) 11512-11525
- 390) Electrochemical and Gravimetric Evaluation of 7-methyl-2-phenylimidazo[1,2-á]pyridine of Carbon Steel Corrosion in Phosphoric Acid Solution, D. Ben Hmamou, R. Salghi, A. Zarrouk, H. Zarrok, **B. Hammouti**, S.S. Al-Deyab, A. El Assyry, N. Benchat, M. Bouachrine, *Int. J. Electrochem. Sci.*, 8 N°9(2013) 11526-11545
- 391) Thermodynamic properties of 2-(3-methoxyphenyl)imidazo[1,2-a]pyrimidine as corrosion inhibitor of C38 steel in 1.0 M HCl, A. Ghazoui, A. Zarrouk, N. Benchat, M. El Hezzat, **B. Hammouti**, A. Guenbour, R. Salghi, *Der Pharmacia Lettre*, 5 (4) (2013) 247-256
- 392) Suleiman M., Al Ali A., Hussein A., **Hammouti B.**, Hadda T. B., Warad I. (2013), Sulfur Nanoparticles: Synthesis, Characterizations and their Applications, *J. Mater. Environ. Sci.* 4 (6), 1029-1033
- 393) Avocado Nuts Extract (ANE): An efficient Inhibitor of C38 Steel Corrosion in Hydrochloric Acid, Belkhaouda M., Bammou L., Salghi R., Benali O., Zarrouk A., Ebenso E.E., **Hammouti B.**, *J. Mater. Environ. Sci.* 5(6) (2013) 1042-1051
- 394) S. Andreani, M. Znini, Paolini, L. Majidi, **B. Hammouti**, J. Costa, A. Muselli, Application of *Senecio Inaequidens* Essential Oil and Its Fractions as Eco-friendly Inhibitors of Mild Steel Corrosion in 1M HCl Solution, *Int. J. Electrochem. Sci.*, 8(10) (2013) 11896-11915
- 395) Studies on the inhibitive effect of potassium ferrocyanide on the corrosion of steel in phosphoric acid, D. Ben Hmamou, R. Salghi, A. Zarrouk, **B. Hammouti**, O. Benali, H. Zarrok, S.S. Al-Deyab, *Research on Chemical Intermediates*, 38(8) (2013) 3475-3485
- 396) Experimental study of inhibition of corrosion of mild steel in 1 M HCl solution by two newly synthesized calixarene derivatives, M. Kaddouri, S. Rekkab, M. Bouklah, **B. Hammouti**, A. Aouniti, Z. Kabouche, *Res. Chem. Intermed.*, 39 (2013) 3649-3667
- 397) Ben Hmamou D., Salghi R., Zarrouk A., Aouad M.R., Benali O., Zarrok H., Messali M., **Hammouti B.**, Ebenso E., Kabanda M.M., Bouachrine M. (2013), Weight loss, electrochemical, quantum chemical calculations and molecular dynamics simulation studies on 2-(benzylthio)-1,4,5-triphenyl-1H-imidazole as inhibitor for carbon steel corrosion in hydrochloric acid, *Ind. Eng. Chem. Res.*, 52 N°40, 14315-14327.
- 398) X-ray single-crystal structure of a novel di- $\mu$ -chloro-bis[chloro(2,9-dimethyl-1,10-phenanthroline)nickel(II)] complex: synthesis, and spectral and thermal studies, I. Warad, **B. Hammouti**, T. Ben Hadda, A. Boshala, S.F. Haddad, *Res. Chem. Intermed.*, 39 N°9(2013) 4011-4020
- 399) Errami M., Salghi R., Zarrouk A., Zougagh M., Zarrok H., **Hammouti B.**, Al-Deyab S.S. (2013) Electrochemical Treatment of Wastewater Industrial Cartons, *Int. J. Electrochem. Sci.*, 8 N°12, 12672-12682
- 400) Selles C., Dib M. E., Djabou N., Beddou F., Muselli A., Tabti B., Costa J., **Hammouti B.** (2013), Antimicrobial activity and evolution of the composition of essential oil from Algerian *Anacyclus pyrethrum* L. through the vegetative cycle, *Natural Product Research*, 27 N°23, 2231-2234
- 401) Barakat A., Suleiman M., Aldwayyan A.S., **Hammouti B.**, Ben Hadda T., Al-Noaimi M., Haddad S.F., Boshala A., Warad I. (2013), One Step Synthesis of NiO Nanoparticles via Solid-State Thermal Decomposition at Low-Temperature of Novel Aqua(2,9-dimethyl-1,10-phenanthroline)NiCl<sub>2</sub> Complex, *Int. J. Mol. Sci.* 14, 23941-23954. <https://doi.org/10.3390/ijms141223941>
- 402) Anti-corrosive effect of olive oil mill wastewaters C38 steel in acid HCl, D. Bouknan, **B. Hammouti**, A. Bouyanzer, A. Aouniti, M. Sbaa, *J. Chem. Pharm. Res.*, 5 N°12(2013) 1179-1194,
- 403) Azzaoui K., Lamhamdi A., Mejdoubi E., Berrabah M., ELidri A., **Hammouti B.**, Zaoui S., Yahyaoui R. (2013), Synthesis of nanostructured hydroxyapatite in presence of polyethylene glycol 1000, *J. Chem. Pharm. Res.* 5 N°12, 1209-1216
- 404) Effect of *Lavandula stoechas* oil on welded material corrosion in 5.5M H<sub>3</sub>PO<sub>4</sub> solution, A. Laqhaili, A. Hakiki, M. Mossaddak, M. Boudalia, A. Bellaouchou, A. Guenbour, M. El Morhit, **B. Hammouti**, *J. Chem. Pharm. Res.*, 5 N°12 (2013) 1297-1306
- 405) Belbachir C., Aouniti A., Khamri M., Chafi A., **Hammouti B.** (2013) Heavy metals (copper, zinc, iron and cadmium) in sediments and the small clam (*Chamelea gallina*) of the coastal area north-east of Morocco, *J. Chem. Pharm. Res.*, 5 N(12), 1307-1314
- 406) Gravimetric and electrochemical impedance spectroscopy study for 4-(2-chlorobenzyl)-6-hydrazino-3-methyl-1,6-dihydro-pyridazine as inhibitor corrosion for copper in nitric acid, L. Afrine, A. Zarrouk, H. Zarrok, R. Salghi, R. Touri, **B. Hammouti**, H. Oudda, M. Assouag, H. Hannache, M. El Harti, M. Bouachrine, *J. Chem. Pharm. Res.*, 5(12)(2013) 1474-1481



- 407) Electrochemical impedance spectroscopy weight loss and quantum chemical study of new pyridazine derivative as inhibitor corrosion of copper in nitric acid, A. Zarrouk, H. Zarrok, R. Salghi, R. Touir, **B. Hammouti**, N. Benchat, L. L. Afrine, H. Hannache, M. El Hezzat, M. Bouachrine, **J. Chem. Pharm. Res.**, 5 N°12(2013) 1482-1491
- 408) Dissipation of carbendazim and iprodion during cultivation of peaches in the Region of Souss Massa Valley (Morocco), Salghi R., ID El Mouden O., Errami M., Bazzi L., Zarrouk A., **Hammouti B.**, Al-Deyab S. S. (2013), **Mor. J. Chem.** 1 N°1 18-23
- 409) Suleiman M., Al-Noaimi M., **Hammouti B.**, Radi S., Benhadda T., Boshala A., Warad I. (2013), Synthesis, Identification and NMR of New Trans-dichloro-piperazine bis(ether-phosphine)ruthenium(II) Complex, **Mor. J. Chem.** 1 N°2, 29-32
- 410) Enhancement of corrosion protection efficiency of mild steel by 3,5-di(4-tolyl)-4-amino-1,2,4-triazole in hydrochloric acid medium, K. Tourabi, K. Nohair, N. Nyassi, **B. Hammouti**, F. Bentiss, A. Chetouani, **Mor. J. Chem.** 1N°1 (2013) 33-46
- 411) Caffeine as a corrosion inhibitor of mild steel in hydrochloric acid, H. Elmsellem, A. Aouniti, M.H. Youssoufi, H. Bendaha, T. Ben hadda, A. Chetouani, I. Warad, **B. Hammouti**, **Phys. Chem. News**,70(2013)84-90
- 412) Ghazoui A., Zarrouk A., N. Benchat, **B. Hammouti**, R. Salghi, R. Touzani, M. Messali (2013), Adsorptive Studies of ethyl (3-phenyl-6-thioxopyridazin-1(6H)-yl)acetate as Corrosion Inhibitors for steel in Acidic Medium, **Phys. Chem. News**, 370, 91-100
- 413) Trans/cis Isomerization of  $[RuCl_2(H_2C=C(CH_2PPh_2)_2)(diamine)]$  Complexes: Synthesis, Spectral, Crystal Structure and DFT Calculations and Catalytic Activity in the Hydrogenation of  $\alpha,\beta$ -Unsaturated Ketones, I. Warad, M. Al-Noaimi, O.S. Abdel-Rahman, F.F. Awwadi, **B. Hammouti**, T.B. Hadda, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 117 N°(2014) 250-258
- 414) Experimental and theoretical investigations anti-corrosive properties of Menthone on mild steel corrosion in hydrochloric acid, A. Ansari, M. Znini, I. Hamdani, L. Majidi, A. Bouyanzer, **B. Hammouti**, **J. Mater. Environ. Sci.** 5 (1) (2014) 81-94
- 415) Comparative Study of Novel N-Substituted Quinoxaline Derivatives towards Mild Steel Corrosion in Hydrochloric Acid: Part1, El-Hajjaji F., Zerga B., Sfaira M., Taleb M., Ebn Touhami M., **Hammouti B.**, Al-Deyab S.S., Benzeid H., Essassi El M., **J. Mater. Environ. Sci.** 5 (1) (2014) 255-262
- 416) Time and Temperature Elucidation on Steel Corrosion Inhibition by 3-methyl-1-prop-2-ynylquinoxalin-2(1H)-one in Molar Hydrochloric Acid: Part 2, F. El-Hajjaji, R.A. Belkhmira, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, **J. Mater. Environ. Sci.** 5 (1) (2014) 263-270
- 417) D. Ben Hmamou, A. Zarrouk, R. Salghi, H. Zarrok, Eno E. Ebenso, **B. Hammouti**, M.M. Kabanda, N. Benchat, O. Benali, Experimental and Theoretical Studies of the Adsorption and Corrosion Inhibition of 6-phenylpyridazine-3(2H)-thione on Carbon Steel in 2.0 M  $H_3PO_4$  solution, **Int. J. Electrochem. Sci.**, 9 N°1 (2014) 120-138
- 418) Ben Salem I., Errami M., Mezni M., Salghi R., Ebenso Eno. E., **Hammouti B.**, Fattouch S., Raboudi F. (2014), Biological, Ionizing and Ultraviolet Radiation and Electrochemical Degradation of Chlorpyrifos Pesticide in Aqueous Solutions, **Int. J. Electrochem. Sci.**, 9 N°1, 342-351
- 419) Inhibitive properties of 2,5-bis(n-methylphenyl)-1,3,4-oxadiazole and biocide on corrosion, biocorrosion and scaling controls of brass in simulated cooling water system, A. Rochdi, O. Kassou, N. Dkhireche, R. Touir, M. El Bakri, M. Ebn Touhami, M. Sfaira, B. Mernari, **B. Hammouti**, **CorrosionScience**, 80 N°3(2014)442-452.
- 420) K. Boumhara, F. Bentiss, M. Tabyaoui, J. Costa, J.-M. Desjobert, A. Bellaouchou, A. Guenbour, **B. Hammouti**, S.S. Al-Deyab, Use of Artemisia Mesatlantica Essential Oil as Green Corrosion Inhibitor for Mild Steel in 1 M Hydrochloric Acid Solution, **Int. J. Electrochem. Sci.**, 9 N°3(2014)1187 – 1206
- 421) L. Bammou, M. Belkhaouda, R. Salghi, O. Benali, A. Zarrouk, S. S. Al-Deyab, I. Warad, H. Zarrok, **B. Hammouti**, Effect of Harmal Extract on the Corrosion of C-steel in Hydrochloric Solution, **Int. J. Electrochem. Sci.**, 9 N° 3 (2014)1506 – 1521
- 422) Barouni K., Kassale A., Albourine A., Jbara O., **Hammouti B.**, Bazzi L. (2014), Aminoacids as corrosion inhibitors for copper in nitric acid medium: Experimental and theoretical study, **J. Mater. Environ. Sci.** 5 (2), 456-463
- 423) Synthesis, NMR & Single Crystal analysis of Novel 2,9-dimethyl-4,7-diphenyl[1,10]phenanthrolineium, Warad I., Haddad S.F., Al-Noaimi M., Al-Nuri M.A., **Hammouti B.**, Hadda T.B., **J. Mater. Environ. Sci.** 5 (2) (2014) 470-475
- 424) Adsorption and Kinetics Study of Abamectin and Imidacloprid in Greenhouse Soil in Palestine, Jodeh S., Khalaf O., Abu Obaid A., **Hammouti B.**, Hadda T.B., Jodeh W., Haddad M., Warad I., **J. Mater. Environ. Sci.** 5 (2) (2014) 571-580
- 425) Afia L., Salghi R., Bammou L., Bazzi El., **Hammouti B.**, Bazzi L., Bouyanzer A. (2014), Anti-corrosive properties of Argan oil on C38 steel in molar HCl solution, **J. Saudi Chem. Soc.** 18 (1), 19-25
- 426) Theoretical investigation of inhibition of the corrosion of A106 steel in NaCl solution by di-n-butyl bis(thiophene-2-carboxylato-O,O')tin(IV), K. Bouhriha, A. Chetouani, D. Zerouali, **B. Hammouti**, A. Yahyi, A. Et-Touhami, R. Yahyaoui, R. Touzani, **Research on Chemical Intermediates**, 40 N°2(2014) 569-586
- 427) Study of a cysteine derivative as a corrosion inhibitor for carbon steel in phosphoric acid solution, H. Zarrok, A. Zarrouk, R. Salghi, **B. Hammouti**, M. Elbakri, M. Ebn Touhami, F. Bentiss, H. Oudda, **Res. Chem. Intern.**, 40 N°2(2014)801-815.
- 428) Alaoui S.M., R. Salghi, Abouatallah A., Jaouhari N., Hammouti B. (2014) Impact of Drip Irrigation Scheduling on Vegetative Parameters in Tomato (Lycopersicon esculentum Mill.) Under Unheated Greenhouse, **Journal of Engineering Research and Applications**, 4(1), 71-76.
- 429) Inhibition of corrosion of copper in nitric acid solution by four amino acids, K. Barouni, A. Kassale, L. Bazzi, R. Salghi, **B. Hammouti**, A. Albourine, S. El Issami, O. Jbara, M. Bouachrine, **Res. Chem. Intern.**, 40(3) (2014) 991-1002.
- 430) Quantum chemical study of inhibition of the corrosion of mild steel in 1 M hydrochloric acid solution by newly synthesized benzamide derivatives, I. Belfilali, A. Chetouani, **B. Hammouti**, S. Louhibi, A. Aouniti, S. S. Al-Deyab, **Research on Chemical Intermediates**, 40 N°3(2014)1069-1088
- 431) Adsorption and corrosion inhibitive properties of piperidine derivatives on mild steel in phosphoric acid medium, A. Ousslim, K. Bekkouch, A. Chetouani, E. Abbaoui, **B. Hammouti**, A. Aouniti, A. Elidrissi, F. Bentiss, **Research on Chemical Intermediates**, 40 N°3(2014)1201-1221.
- 432) Ghazoui A., Zarrouk A., Benchat N., Salghi R., Assouag M., El Hezzat M., Guenbour A., **Hammouti B.** (2014), New possibility of mild steel corrosion inhibition by organic heterocyclic compound, **J. Chem. Pharmac. Res.**, 6 N°2, 704-712
- 433) Jodeh S., Basalat N., Abu Obaid A., Bouknana D., **Hammouti B.**, Hadda T. B., Jodeh W., Warad I., Adsorption of some organic phenolic compounds using activated carbon from cypress products, **J. Chem. Pharmac. Res.**, 6 N°2 (2014) 713-723
- 434) Investigation of adsorption and corrosion inhibition of mild steel in hydrochloric acid solution by 6-phenylpyridazin-3(2H)-one, A. Ghazoui, A. Zarrouk, N. Benchat, R. Salghi, M. Assouag, M. El Hezzat, **B. Hammouti**, A. Guenbour, **J. Chem. Pharmac. Res.**, 6 N°2 (2014) 724-732

- 435) Structural studies on Cd(II) complexes incorporating di-2-pyridyl ligand and the X-ray crystal structure of the chloroform solvated DPMNPH/CdI<sub>2</sub> complex, I. Warad, M. Azam, S.I. Al-Resayes, M. Shahnawaz Khan, P. Ahmad, M. Al-Nuri, S. Jodeh, A. Husein, S.F. Haddad, **B. Hammouti**, M. Al-Noaimi, *Inorganic Chemistry Communications*, 43(5)(2014)155-161
- 436) N.S. Patel, J. Hrdlicka, P. Beranek, M. Pribyl, D. Šnita, **B. Hammouti**, S.S. Al-Deyab, R. Salghi, Extract of Phyllanthus fraternus Leaves as Corrosion Inhibitor for Mild Steel in H<sub>2</sub>SO<sub>4</sub> Solutions, *Int. J. Electrochem. Sci.*, 9 N°6 (2014)2805-2815
- 437) R. Salghi, A. Anejjar, O. Benali, S. S. Al-Deyab, A. Zarrouk, M. Errami, **B. Hammouti**, N. Benchat, Inhibition Effect of 3-bromo-2-phenylimidazol[1,2-a]pyridine towards C38 Steel Corrosion in 0.5M H<sub>2</sub>SO<sub>4</sub> Solution, *Int. J. Electrochem. Sci.*, 9(6) (2014) 3087-3098
- 438) Air Oxidation of catechol by in-situ copper (II) complexes with ligands containing benzyl groups Mouadili A., Lakehal I., Takfaoui A., Halaimia F., Nacer H., **Hammouti B.**, Messali M., Touzani R., *J. Mater. Environ. Sci.* 5 (3) (2014) 715-722
- 439) New imines bearing alkyl armed for catecholase activity, Takfaoui A., Lakehal I., Bouabdallah I., Halaimia F., Nacer H., **Hammouti B.**, Touzani R., *J. Mater. Environ. Sci.* 5 (3) (2014) 753-756
- 440) Adsorption and Inhibitive Properties of Ruta chalepensis L. Oil as a Green Inhibitor of Steel in 1 M Hydrochloric Acid Medium, A. Khadraoui, A. Khelifa, H. Boutoumi, H. Hamitouche, R. Mehdaoui, B. Hammouti, S.S. Al-Deyab, *Int. J. Electrochem. Sci.*, 9 N°6 (2014) 3334-3348.
- 441) Inhibition of carbon steel corrosion in 1 M HCl medium by potassium thiocyanate, A. Anejjar, R. Salghi, A. Zarrouk, O. Benali, H. Zarrok, **B. Hammouti**, E.E. Ebenso, *Journal of the Association of Arab Universities for Basic and Applied Sciences*, 15 N°1(2014) 21-27
- 442) El Ouariachi E.M., Hamdani I., Bouyanzer A., **B. Hammouti**, L. Majidi, J. Costa, J. Paolini, Chetouani A. (2014), Chemical composition and antioxidant activity of essential oils of Thymus broussonetii Boiss and Thymus algeriensis Boiss from Morocco, *Asian Pacific Journal of Tropical Disease*, 4 N°4, 281-286.
- 443) A theoretical investigation on the corrosion inhibition of mild steel by piperidine derivatives in hydrochloric acid solution, Yasser Karzazi, Mohammed El Alaoui Belghiti, Ali Dafali, **B. Hammouti**, *J. Chem. Pharm. Res.*, 6(4) (2014) 689-696
- 444) Chemical composition and antioxidant activity of essential oils and solvent extracts of Foeniculum vulgare Mill. from Morocco, E. El Ouariachi, N. Lahhit, A. Bouyanzer, **B. Hammouti**, J. Paolini, L. Majidi, J-M. Desjobert and J. Costa, *J. Chem. Pharm. Res.*, 6(4) (2014)743-748
- 445) Design, Synthesis, Characterization of Novel Ruthenium(II) Catalysts: Highly Efficient and Selective Hydrogenation of Cinnamaldehyde to (E)-3-Phenylprop-2-en-1-ol, H. W. Darwish, A. Barakat, A. Nafady, M. Suleiman, M. Al-Noaimi, **B. Hammouti**, S. Radi, T. Ben Hadda, A. Abu-Obaid, M. S. Mubarak, I. Warad, *Molecules*, 19(5) (2014) 5965-5980
- 446) Elmsellem H., Aouniti A., Khoutoul M., Chetouani A., Hammouti B., Benchat N., Touzani R., Elazzouzi M., Theoretical approach to the corrosion inhibition efficiency of some pyrimidine derivatives using DFT method of mild steel in HCl solution, *J. Chem. Pharm. Res.*, 6(4) (2014) 1216-1224
- 447) Azzaoui K., Lamhamdi A., Mejdoubi E. M., Berrabah M., **Hammouti B.**, Elidrissi A., Fouda M. M.G., Al-Deyab S. S. (2014), Synthesis and characterization of composite based on cellulose acetate and hydroxyapatite Application to the absorption of harmful substances, *Carbohydrate Polymers*, 111, 41-46
- 448) Inhibition of Carbon Steel Corrosion in HCl Media by Lipid Oil Melia, H. Zarrok, A. Zarrouk, R. Salghi, B. Hammouti, N. Chahboun, D. Ben Hmamou, R. Hmammouchi, T. Lakhlifi, A. Rochdi, A. El Assyry, *Mor. J. Chem.*2(1) (2014) 10-21
- 449) Extraction of organochlorine pesticides by a matrix of calcium phosphate, Lamhamdi A., Azzaoui K., Mejdoubi E., Garoiz H., Berrabah M., Elbali B., **Hammouti B.** (2014), *Mor. J. Chem.* 2 N°2, 90-96.
- 450) Bouknana D., **Hammouti B.**, Salghi R., Jodeh S., Zarrouk A., Warad I., Aouniti A., Sbaa M. (2014), Physicochemical Characterization of Olive Oil Mill Wastewaters in the eastern region of Morocco, *J. Mater. Environ. Sci.* 5 (4), 1039-1058
- 451) Thermodynamic characterization of metal dissolution and inhibitor adsorption processes in mild steel / 3,5-bis(3,4-dimethoxyphenyl)-4-amino-1,2,4-triazole / hydrochloric acid system, Tourabi M., Nohair K., Nyassi A., **Hammouti B.**, Jama C., Bentiss F., *J. Mater. Environ. Sci.* (4) (2014) 1133-1143
- 452) F. El-Hajjaji, R.A. Belkhamima, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, S.S. Al-Deyab and Eno Ebenso, Temperature Performance of a Thione Quinoxaline Compound as Mild Steel Corrosion Inhibitor in Hydrochloric Acid Medium, *Int. J. Electrochem. Sci.*, 9 N° 9 (2014) 4721-4731
- 453) Z. El Adnani, A.T. Benjelloun, M. Benzakour, M. Mcharfi, M. Sfaira, T. Saffaj, M. Ebn Touhami, **B. Hammouti**, S.S. Al-Deyab and Eno E. Ebenso, DFT-based QSAR Study of Substituted Pyridine-Pyrazole Derivatives as Corrosion Inhibitors in Molar Hydrochloric Acid, *Int. J. Electrochem. Sci.*, 9 N° 9 (2014) 4732-4746
- 454) R. Salghi, A. Anejjar, O. Benali, S. S. Al-Deyab, A. Zarrouk, C. Jama, **B. Hammouti**, Inhibition Effect of Thymelaea hirsuta Extract towards Steel Corrosion in HCl Solution, *Int. J. Electrochem. Sci.*, 9 N° 9 (2014) 5315-5327
- 455) H. Elmsellem, H. Nacer, F. Halaimia, A. Aouniti, I. Lakehal, A. Chetouani, S. S. Al-Deyab, I. Warad, R. Touzani, **B. Hammouti**, Anti-corrosive Properties and Quantum Chemical Study of (E)-4-Methoxy-N-(Methoxybenzylidene)Aniline and (E)-N-(4-Methoxybenzylidene)-4-Nitroaniline Coating on Mild Steel in Molar Hydrochloric, *Int. J. Electrochem. Sci.*, 9 N° 9 (2014) 5328-5351
- 456) 2-(2-hydroxyethyl)-6-phenylpyridazin-3(2H)-one as corrosion inhibitor for mild steel in hydrochloric acid solution, A. Ghazoui, H. Tayebi, N. Benchat, A. Zarrouk, **B. Hammouti**, R. Salghi, A. Guenbour, R. Touzani, *Der Pharma Chim.* 6 N°3(2014)6-16
- 457) Anticorrosive properties of 3-hydroxy-7-isocyano-8-phenyl-2-(p-tolyl)pyrimido[2,1-b][1,3]thiazine-4,6-dione on carbon steel in 1.0 M HCl Solution, M. Larouj, M. Belayachi, H. Zarrok, A. Zarrouk, A. Guenbour, M. Ebn Touhami, A. Shaim, S. Boukhriss, H. Oudda, **B. Hammouti**, *Der Pharma Chim.* 6 N°3(2014)373-384
- 458) Mentha pulegium extract as a natural product for the inhibition of corrosion. Part I: electrochemical studies, A. Khadraoui, A. Khelifa, H. Boutoumi; **B. Hammouti**, *Natural Product Research*, 28 N°15(2014)1206-1209
- 459) Phenolic and non-Phenolic Fractions of the Olive Oil Mill Wastewaters as Corrosion Inhibitor for Steel in HCl medium, D. Bouknana, B. Hammouti, M. Messali, A. Aouniti, M. Sbaa, *Port. Electrochim. Acta*, 32(1) (2014) 1-19
- 460) Inhibition Effects on the Corrosion of Mild Steel in 1 M HCl by 1,1'-(2,2'-(2,2'-oxybis(ethane-2,1-diyl)bis(sulfanediy)) bis(ethane-2,1-diyl))diazepan-2-one, A. Khadiri, A. Ousslim, K. Bekkouche, A. Aouniti, A. Elidrissi, B. Hammouti, *Port. Electrochim. Acta*, 32(1) (2014) 35-50
- 461) Inhibitive Action of Hydroxylammonium Sulfate on the Corrosion of Carbon Steel in Hydrochloric Acid Medium and their Adsorption Characteristics, R. Salghi, A. Anejjar, S. Jodeh, S. S. Al-Deyab, **B. Hammouti**, A. M. Elhassan, *Mor. J. Chem.* 2 N°3 (2014) 236-251.

- 462) M. Errami, R. Salghi, Eno. E. Ebenso, M. Messali, S. S. Al-Deyab, **B. Hammouti**, Anodic Destruction of Abamectin Acaricide Solution By BDD-Anodic Oxidation, *Int. J. Electrochem. Sci.*, 9 N°10 (2014)5467-5478
- 463) L. Afia, R. Salghi, Eno. E. Ebenso, M. Messali, S. S. Al-Deyab, **B. Hammouti**, Corrosion Inhibition of Steel in HCl by 2-Aminoethyl diphenylborinate, *Int. J. Electrochem. Sci.*, 9 N°10 (2014)5479-5495
- 464) Quantum Chemical Studies and Corrosion Inhibitive Properties of Mild Steel by Some Pyridine Derivatives in 1 N HCl Solution, H. Elmsellem, N. Basbas, A. Chetouani, A. Aouniti, S. Radi, M. Messali, **B. Hammouti**, *Portugaliae Electrochimica Acta*, 32(2)(2014), 77-108
- 465) Isolation of anticancer natural ingredients from sour orange, H.M. Odeh, M.A. Al-Nuri, **B. Hammouti**, T. Ben hadda, I. Warad, *Phys. Chem. News*, 71(2014)90-93
- 466) Plants as a source of green corrosion inhibitors on mild steel in hydrochloric acid: The case of oil extract of leaves of *Pistacia lentiscus* from Saida Morocco, Aouinti F., Elmsellem H., Bachiri A., Fauconnier M.-L., Chetouani A., C. Belbachir, Aouniti A., **Hammouti B.**, *Journal of Chemical and Pharmaceutical Research*, 6 N°7 (2014)10-23
- 467) Experimental and quantum chemical studies on corrosion inhibition performance of pyrazolic derivatives for mild steel in hydrochloric acid medium, correlation between electronic structure and inhibition efficiency, Ismaily Alaoui K., El Hajjaji F., Azarou M. A., Taleb M., Chetouani A., **Hammouti B.**, Abrigach F., Khoutoul M., Abboud Y., Aouniti A. and Touzani R., *Journal of Chemical and Pharmaceutical Research*, 6 N°7 (2014)63-81
- 468) El ouadi Y., Bouyanzer A., Majidi L., Paolini J., Desjobert J. M., Costa J., Chetouani A. and **Hammouti B.** (2014), *Salvia officinalis* essential oil and the extract as green corrosion inhibitor of mild steel in hydrochloric acid, *Journal of Chemical and Pharmaceutical Research*, 6 N°7, 1401-1416
- 469) Corrosion inhibition by naturally occurring substance containing *Opuntia-Ficus Indica* extract on the corrosion of steel in hydrochloric acid, Z. Ghazi, H. Elmesslem, M. Ramdani, A. Chetouani, R. Rmil, A. Aouniti, C. Jama, **B. Hammouti**, *Journal of Chemical and Pharmaceutical Research*, 6 N°7 (2014)1417-1425
- 470) New Eco-friendly 1-alkyl-3-(4-phenoxybutyl) Imidazolium-based Ionic Liquids Derivatives: A Green Ultrasound-Assisted Synthesis, Characterization, Antibacterial Activity and POM Analyses, M. Messali, M. R. Aouad, W. S. El-Sayed, A. Al-Sheikh Ali, T. Ben Hadda, **B. Hammouti**, *Molecules*, 19 N°8 (2014) 11741-11759
- 471) Theoretical and experimental studies on the inhibition of 1,1'-(2-phenylquinoxaline-1,4-diyl)diethanone for the corrosion of carbon steel in 1.0 M HCl, F. Benhiba, Y. ELaoufir, M. Belayachi, H. Zarrok, A. El Assyry, A. Zarrouk, **B. Hammouti**, E. E. Ebenso, A. Guenbour, S. S. Al Deyab and H. Oudda, *Der Pharm. Lettre*, 6 (4) (2014) 306-318
- 472) Inhibition effects and theoretical studies of novel synthesized pyrimidothiazine derivative as corrosion inhibitor for carbon steel in phosphoric acid solution, M. Larouj, Y. ELaoufir, H. Serrar, A. El Assyry, M. Galai, A. Zarrouk, **B. Hammouti**, A. Guenbour, A. El Midaoui, S. Boukhriss, M. Ebn Touhami and H. Oudda, *Der Pharm. Lettre*, 6 (4) (2014) 324-334
- 473) The role of 3,8-bis(4-chlorophenyl)-2,6-dioxo-2,3,4,6-tetrahydro-1*H*-pyrido[1,2-b][1,2,4]triazine-7,9-dicarbonitrile on the corrosion inhibition of steel in HCl media, Y. ELaoufir, H. Bourazmi, H. Serrar, H. Zarrok, A. Zarrouk, **B. Hammouti**, A. Guenbour, S. Boukhriss, H. Oudda, *Der Pharm. Lettre*, 6 (4) (2014) 526-536
- 474) Inhibition of Steel Corrosion in 1 M HCl by the Essential Oil of *Thymus pallidus*, M.C. Elbouchtaoui, A. Anejjar, R. Salghi, B. Chebli, L. M. Idrissi Hassani, M. Hmamouchi, **B. Hammouti**, *Der Pharm.Chim*, 6 (4) (2014) 406-414
- 475) Use of hydroxylapatite composite membranes for analysis of bisphenol A, K. Azzaoui, M. Berrabah, E. Mejdoubi, A. Lamhamdi, A. Elidrissi, **B. Hammouti**, *Res. Chem. Intern.*, 39 N°8(2014)2621-2628
- 476) The Effect of New Pyridazinium-Based Ionic Liquid Derivative as Corrosion Inhibitor for Carbon Steel in 1M HCl Solution, O. ID El Mouden, A. Anejjar, M. Messali, R. Salghi, H. A. Ismat, **B. Hammouti**, *Chem. Sci. Rev. Let.*, 3 N°11 (2014) 579-588
- 477) Electrochemical Oxidation of New Pyridazinium-Based Ionic Liquid Derivative using BDD Anode, H. Bouya, M. Errami, R. Salghi, H. A. Ismat, M. Messali, **B. Hammouti**, *Chem. Sci. Rev. Let.*, 3 N°11 (2014) 666-672
- 478) Elmsellem H., Youssouf M. H., Aouniti A., Hadda T. B., Chetouani A., Hammouti B. (2014), Adsorption and inhibition effect of curcumin on mild steel corrosion in hydrochloric acid, *Russian J. Appl. Chem.*, 87 (6), 744-753
- 479) Corrosion inhibition of steel in sulfuric acidic solution by the *Chenopodium Ambrosioides* Extracts, L. Bammou, M. Belkhaouda, R. Salghi, O. Benali, A. Zarrouk, H. Zarrok, **B. Hammouti**, *Journal of the Association of Arab Universities for Basic and Applied Sciences*, 16 N°1 (2014) 83-90
- 480) Olive pomace extract (OPE) as corrosion inhibitor for steel in HCl medium, D. Bouknana, **B. Hammouti**, M. Messali, A. Aouniti, M. Sbaa, *Asian Pacific Journal of Tropical Disease*, 4 (S2) (2014) S963-S974
- 481) Effect of three 2-allyl-p-mentha-6,8-dien-2-ols on inhibition of mild steel corrosion in 1 M HCl, S. Kharchouf, L. Majidi, M. Boukklah, **B. Hammouti**, A. Bouyanzer, A. Aouniti, *Arab. J. Chem*, 7 N°5 (2014)680–686
- 482) A theoretical study on the inhibition efficiencies of some quinoxalines as corrosion inhibitors of copper in nitric acid, A. Zarrouk, M. Bouachrine, **B. Hammouti**, A. Dafali, H. Zarrok, *J. Saudi Chem. Soc.* 18 N°5 (2014) 550-555
- 483) Comparison of BDD and SnO<sub>2</sub> Electrodes for Carbendazim Electro-oxidation, H. Bouya, M. Errami, O. Id El Mouden, R. Salghi, H. A. Ismat, A. Chakir, **B. Hammouti**, *Chemical Science Review and Letters*, 3(11S)(2014) 151-158
- 484) M. Errami, H. Bouya, R. Salghi, H. A. Ismat, S. Jodeh, **Hammouti B.** (2014), Electro-combustion of Pyridazine using a Boron-Doped Diamond Anode, *Chemical Science Review and Letters*, 3(11S), 170-176
- 485) W. Niouri, B. Zerga, M. Sfaira, M. Taleb, M. Ebn Touhami, **B. Hammouti**, M. Mcharfi, S.S. Al-Deyab, H. Benzeid, El M. Essassi, Electrochemical and Chemical Studies of some Benzodiazepine Molecules as Corrosion Inhibitors for Mild Steel in 1 M HCl, *Int. J. Electrochem. Sci.*, 9 N°12 (2014)8283-8298
- 486) A. Anejjar, R. Salghi, O. ID El Mouden, Eno. E. Ebenso, M. Zougagh, **B. Hammouti**, Corrosion Inhibition of Carbon Steel in 1M HCl Solution by 2-amino-1-methylbenzene (2-methylaniline), *Int. J. Electrochem. Sci.*, 9 N°12 (2014)8380-8391
- 487) L. Afia, O. Benali, R. Salghi, Eno. E. Ebenso, S. Jodeh, M. Zougagh, **B. Hammouti**, Steel Corrosion Inhibition by Acid Garlic Essential Oil as a Green Corrosion Inhibitor and Sorption Behavior, *Int. J. Electrochem. Sci.*, 9 N°12(2014)8392-8406
- 488) Combined electrochemical and quantum chemical study of new quinoxaline derivative as corrosion inhibitor for carbon steel in acidic media, H. Tayebi, H. Bourazmi, B. Himmi, A. El Assyry, Y. Ramli, A. Zarrouk, A. Geunbour, **B. Hammouti**, *Der Pharm.Chim*, 6 (5) (2014)220-234
- 489) Organic photovoltaic Cells: Operating principles, recent developments and current challenges–Review, I. Arbouch, Y. Karzazi, **B. Hammouti**, *Phys. Chem. News* 72 (2014)73-84
- 490) Inhibiting effect of 4-amino-8-(4-chlorophenyl)-2-(4-nitrophenyl)-6-oxo-2,6-dihydropyrimido[2,1-b][1,3]thiazine-3,7-dicarbonitrile on the corrosion of a carbon steel in phosphoric acid, M. Belayachi, H. Zarrok, M. Larouj, A. Zarrouk, H. Bourazmi, A. Guenbour, **B. Hammouti**, S. Boukhriss, H. Oudda, *Phys. Chem. News* 72 (2014) 85-93

- 491) Corrosion Inhibition of Carbon Steel in Hydrochloric Acid Solution by Mentha Pulegium Extract, A. Khadraoui, A. Khelifa, H. Boutoumi, B. Mettai, Y. Karzazi, **B. Hammouti**, *Port. Electrochim. Acta*, 32(4) (2014) 271-280
- 492) Crystal structure of 3-(pyrazin-2-ylamino)-2-benzofuran-1(3H)-one, C<sub>12</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>, A. Betrow, U. Karama, M. Al-Noaimi, F. Awwad, **B. Hammouti**, S. Radi, T. Ben Hadda, I. Warad, *Zeitschrift für Kristallographie*, 229 N°4 (2014)385-386.
- 493) Preparation of oxygenated apatite from hydrolysis of cured brushite cement in aqueous medium, R. Yahyaoui, K. Azzaoui, A. Lamhamdi, E. Mejdoubi, **B. Hammouti**, *Der Pharma Chemica*, 6 N°6(2014) 133-138
- 494) An electrochemical and theoretical evaluation of new quinoline derivative as a corrosion inhibitor for carbon steel in HCl solutions, H. Tayebi, H. Bourazmi, B. Himmi, A. El Assyry, Y. Ramli, A. Zarrouk, A. Geunbour, **B. Hammouti** and Eno E. Ebenso, *Der Pharma Letters*, 6 N°6(2014) 20-34
- 495) Contribution of adsorption of metals using calcium phosphates in the presence of support polyethylene glycol A. Lamhamdi, K. Azzaoui, E. Mejdoubi, **B. Hammouti**, M. Berrabah, M. Zegmout, B. Razzouki, *J. Mater. Environ. Sci.* 5 (2014) 2584-2589
- 496) Removal of Phenol from Olive Industry Liquid Waste Using Polyitaconic Acid, S. Jodeh, O. Hamed, M. Mohamed, T. Ben Hadda, **B. Hammouti**, R. Salghi, S. Radi, A. Abu Obaid, I. Warad, *Asian J. Chem.*, 26 N°S(2014)S15-S22
- 497) Effect of anise oil as a green inhibitor on steel corrosion behavior, N. Lotfi, H. Lgaz, M. Belkhaouda, M. Larouj, R. Salghi, S. Jodeh, H. Oudda, B. Hammouti, *Ar. J.Chem. Environ. Res*, 1(1) (2014)13-23
- 498) Corrosion Inhibition of Steel by Various Parts of Rotula Aquatica Plant Extracts in H<sub>2</sub>SO<sub>4</sub> Solutions, N.S. Patel, J. Hadlicka, P. Beranek, R. Salghi, H. Bouya, H.A. Ismat, **B. Hammouti**, *Port. Electrochim. Acta*, 32(6) (2014) 395-403
- 499) Synthesis of hydroxyethylcellulose and hydroxyapatite composite for analysis of bisphenol A K. Azzaoui, A. Lamhamdi, E. Mejdoubi, B. Hammouti, M. Berrabah, *Ar. J. Chem. Environ. Res*, 1(1) (2014)41-48
- 500) Chemical Composition and Inhibitory Effect of Essential Oil of Lavande (Lavandula Dentata) LD on the Corrosion of Mild Steel in Hydrochloric Acid (1M) Y. El Ouadi, A. Bouyanzer, L. Majidi, H. Elmsellem, K. Cherrak, A. Elyoussfi, B. Hammouti, J. Costa, *Ar. J.Chem. Environ. Res*, 1(1) (2014)66-75
- 
- 501) Azzaoui K., Mejdoubi E., Lamhamdi A., Zaoui S., Berrabah M., Elidrissi A., **Hammouti B.**, Fouda M.M.G., Al-Deyab S.S., (2015) Structure and properties of hydroxyapatite/Hydroxyethyl cellulose acetate composite films, *Carbohydrate Polymers* 115, 170–176, <https://doi.org/10.1016/j.carbpol.2014.08.089>
- 502) 2, 10-dimethylacridin-9(10H)-one as New Synthesized Corrosion Inhibitor for C38 Steel in 0.5 M H<sub>2</sub>SO<sub>4</sub>, R. Salghi, D. Ben Hmamou, Eno E. Ebenso, O. Benali, A. Zarrouk, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 10N°1 (2015) 259-71
- 503) New 1H-pyrrole-2,5-dione derivatives as efficient organic inhibitors of carbon steel corrosion in hydrochloric acid medium: Electrochemical, XPS and DFT studies, A. Zarrouk, **B. Hammouti**, T. Lakhliifi, M. Traisnel, H. Vezin, F. Bentiss, *Corrosion Science*, 90 N°1 (2015) 572-584.
- 504) The Gum Arabic in the southern region of Morocco, K. Azzaoui, **B. Hammouti**, A. Lamhamdi, E. Mejdoubi, M. Berrabah, *Mor. J. Chem*, 3 N°1 (2015) 99-107; <https://doi.org/10.48317/IMIST.PRSM/morjchem-v3i1.2300>
- 505) 5,5-dimethyl-2,2-di(pyridin-2-yl)hexahydropyrimidine, A. Abu-Obaid, A.I. Asadi, A. Alruwaili, H. Atieh, S. Khlaif, T. Ben Hadda, S. Radi, **B. Hammouti** and I. Warad, *MolBank M838 (2015)*(1), M838; [doi:10.3390/M838](https://doi.org/10.3390/M838)
- 506) Investigation of inhibition by 6-bromo-3-nitroso-2-phenylimidazol[1,2- $\alpha$ ]pyridine of the corrosion of C38 steel in 1 M HCl, A. Anejjar, R. Salghi, A. Zarrouk, H. Zarrok, O. Benali, **B. Hammouti**, S.S. Al-Deyab, N. Benchat, R. Saddik, *Res. Chem. Interm.*, 41 N°2(2015)913-925
- 507) Inhibition of corrosion of mild steel in 1 MHCl by the essential oil or solvent extracts of *Ptychotis verticillata*, E. El Ouariachi, A. Bouyanzer, R. Salghi, **B. Hammouti**, J.-M. Desjobert, J. Costa, J. Paolini, L. Majidi, *Res. Chem. Interm.*, 41(2)(2015) 935-946
- 508) Jodeh S., Odeh R., Sawalhi M., Abu Obeid A., Salghi R., **Hammouti B.**, Radi S., Warad I. (2015), Adsorption of lead and zinc from used lubricant oil using agricultural soil: equilibrium, kinetic and thermodynamic studies, *J. Mater. Environ. Sci.* 6(2), 580-591
- 509) Investigation of isomers of Hydroxyphenylamino propane nitrile as mild steel corrosion inhibitors in HCl 1M, M. El Azzouzi, A. Aouniti, L. Herrag, A. Chetouani, H. Elmsellem, **B. Hammouti**, *Der Pharma Chemica*, 7N°2(2015) 12-24
- 510) The use of essential oil and extract of *Tetraclinis Articulata* as eco-friendly corrosion inhibitors of carbon steel in hydrochloric acid solution, M. Ramdani, H. Elmsellem, N. Elkhiati, B. Haloui, A. Aouniti, M. Ramdani, Z. Ghazi, A. Chetouani, **B. Hammouti**, *Der Pharma Chemica*, 7 N°2(2015) 67-76
- 511) Effect of *Athamanta sicula* oil on inhibition of mild steel corrosion in 1M HCl, Y. EL Ouadi, A. Bouratoua, A. Bouyanzer, Z. Kabouche, R. Touzani, H. EL Msellem, **B. Hammouti**, A. Chetouani, *Der Pharma Chemica*, 7 N°2 (2015) 103-111
- 512) *Caulerpa prolifera* green algae using as eco-friendly corrosion inhibitor for mild steel in 1 M HCl media, A. Salhi, A. Bouyanzer, I. Hamdani, A. Chetouani, **B. Hammouti**, M. Znini, L. Majidi, J. Costa, M. El Azzouzi, *Der Pharma Chemica*, 7(2) (2015) 138-147
- 513) A rapid and an efficient synthesis for 3,5-disubstituted 1,2,4-oxadiazoles under microwave irradiation, M. Outirite, M. Lagrenée, **B. Hammouti**, F. Bentiss, *Res. Chem. Interm.*, 41 N°3 (2015)1601-1606.
- 514) M. Belayachi, H. Serrar, H. Zarrok, A. El Assyry, A. Zarrouk, H. Oudda, S. Boukhris, **B. Hammouti**, Eno E. Ebenso, A. Geunbour, New pyrimidothiazine Derivative as Corrosion Inhibitor for Carbon Steel in Acidic Media, *Int. J. Electrochem. Sci.*, 10 N°4 (2015) 3010-3025
- 515) M. Belayachi, H. Serrar, A. El Assyry, H. Oudda, S. Boukhris, M. Ebn Touhami, A. Zarrouk, **B. Hammouti**, Eno E. Ebenso, A. El Midaoui, Electrochemical Evaluation and DFT Studies of 2-(4-chlorophenyl)-3-hydroxy-4,6-dioxo-8-phenyl-4,6-dihydro pyrimido[2,1-b][1,3]thiazine-7-carbonitrile of Carbon Steel Corrosion in Hydrochloric Acid, *Int. J. Electrochem. Sci.*, 10 N°4 (2015) 3038-3053
- 516) Salem B. S., Mezni M., Errami M., Amine K.M., Salghi R., Ali. Ismat H., Chakir A., **Hammouti B.**, Messali M., Fattouch S. (2015), Degradation of Enrofloxacin Antibiotic under Combined Ionizing Radiation and Biological Removal Technologies, *Int. J. Electrochem. Sci.*, 10 N°4, 3613-3622, [https://doi.org/10.1016/S1452-3981\(23\)06565-3](https://doi.org/10.1016/S1452-3981(23)06565-3)
- 517) Synthesis, characterization, and POM analysis of novel bioactive imidazolium-based ionic liquids, M. Messali, M. R. Aouad, A. A.-S. Ali, N. Rezki, T. Ben Hadda, **B. Hammouti**, *Medi. Chem. Res.* 24 N°4(2015)1387–1395
- 518) Characterisation by electrochemical impedance spectroscopy of a pet membrane electrode based on zeolithe, H. Nacer, L. Afia, R. Salghi, R. Touzani, L. Bouzenada, **B. Hammouti**, N.J. Renault, *Res. Chem. Interm.*, 41 N°5(2015)3261-3273

- 519) M. Messali, A. Bousskri, A. Anejjar, R. Salghi, **B. Hammouti**, Electrochemical Studies of 1-(2-(4-nitrophenyl)-2-oxoethyl)pyridazinium bromide, On Carbon Steel Corrosion in Hydrochloric Acid Medium, *Int. J. Electrochem. Sci.*, 10 N°6 (2015) 4532-4551.
- 520) Comparison of Pyridazinium Electro-oxidation on Borondoped Diamond (BDD) and SnO<sub>2</sub> in a Basic Medium, H. Bouya, M. Errami, R. Salghi, S. Jodeh, M. Messali, **B. Hammouti**, *Port. Electrochim. Acta*, 31(1) (2015) 13-21
- 521) Anticorrosion potential of diethylenetriaminepentakis (methylphosphonic) acid on carbon steel in hydrochloric acid solution, H. Bouammali, **B. Hammouti**, C. Jama, F. Bentiss, K. Bekkouch, A. Aouniti, *Ind. Eng. Chem. Res.* 26 N°6(2015)270-276.
- 522) Investigation of the Corrosion Inhibition Behavior of C38 Steel in Hydrochloric Acid Solution by 2-Hydroxy-1-(2-Hydroxy-4-sulfo-1-Naphthylazo)-3-Naphthoic Acid, Afia L., Salghi R., Benali O., Jodeh S., Al-Deyab S.S., **Hammouti B.**, *Transactions of the Indian Institute of Metals*, 68(4) (2015)521-527
- 523) Adsorption and inhibition effect of 5-phenyl-1,2,4-triazole-3-thione on C38 steel corrosion in 1 M HCl, H. B. Ouici, M. Belkhouja, O. Benali, R. Salghi, L. Bammou, A. Zarrouk, **B. Hammouti**, *Res. Chem. Interm.*, 39(7)(2015)4617-4634
- 524) Modeling and optimization of the synthesis of oxygenated apatite by hydrolysis of dicalcium phosphate dihydrate (DCPD) using the Box-Behnken Design, A. Lamhamdi, K. Azzaoui, E. Mejdoubi, **B. Hammouti**, L.L. ELansari, M. Jabri, M. Berrabah, B. ELbali, *Der Pharma Chemica*, 7 N°2 (2015) 46-52
- 525) Anti-corrosive properties of Nigella Sativa L extract on mild steel in molar HCl solution, I. El Mounsi, H. Elmsellem, A. Aouniti, H. Bendaha, M. Mimouni, T. Ben Hadda, H. Steli, M. Elazzouzi, Y. EL Ouali, **B. Hammouti**, *Der Pharma Chemica*, 7N°6(2015) 64-70
- 526) Using pectin extract as eco-friendly inhibitor for steel corrosion in 1M HCl media, N. Saidi, H. Elmsellem, M. Ramdani, A. Chetouani, K. Azzaoui, F. Yousfi, A. Aouniti, **B. Hammouti**, *Der Pharma Chemica*, 7N°6(2015) 87-94
- 527) Inhibitive action of piperic acid on C38 steel corrosion in HCl solution, M. El Alaoui Belghiti, M. Dahmani, M. Messali, Y. Karzazi, A. Et-Touhami, A. Yahyi, A. Dafali, **B. Hammouti**, *Der Pharma Chemica*, 7N°6(2015)106-115
- 528) Synthesis and characterization of novel 2,2-di(pyridin-2-yl) hexahydropyrimidine and its derivative 5,5-dimethyl-1,3-bis[(methylsulfonyl)oxy]-2,2-dipyridin-2-ylhexahydropyrimidine, M. Suleiman, L.Odeh, R. Salghi, S. Radi, **B. Hammouti**, A. Al-Ali, I. Warad, *Der Pharma Chemica*, 7N°6(2015) 299-304
- 529) Synthesis, Spectral, Electrochemical, Crystal Structure Studies of two Novel di-μ-halo-bis[halo(2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline)cadmium(II)] dimer Complexes and their Thermolysis to Nanometal Oxides, I. Warad, M. Abdoh, N. Shivalingegowda, N. K. Lokanath, R. Salghi, M. Al-Nuri, S. Jodeh, S. Radi, **B. Hammouti**, *Journal of Molecular Structure*, 1099 (11) (2015) 323-329.
- 530) Adsorption Properties and Inhibition of Mild Steel Corrosion in 1 M HCl Solution by Some Bipyrazolic Derivatives: Experimental and Theoretical Investigations, H. Elmsellem, T. Harit, A. Aouniti, F. Malek, A. Riahi, A. Chetouani, and **B. Hammouti**, *Protection of Metals and Physical Chemistry of Surfaces*, 51, No. 5(2015) 873-884
- 531) Investigation of ammonium acetate effect on electroless Ni-P deposits, Elhaloui A., Anik T., Ebn Touhami M., Shaim A., Iyach K., Touri R., Sfaira M., Mcharfi M., **Hammouti B.**, *J. Mater. Environ. Sci.* 6 (7) (2015) 2028-2036
- 532) Quantum chemical study on the corrosion inhibition of some bipyrazoles, H Zarrok, M Assouag, A Zarrouk, H Oudda, A Hallaoui, R Touzani, M Allali, **B Hammouti**, M El Hezzat, M Bouachrine, *Res. J. Pharm. Biol. Chem. Sci.* 6(4)(2015)1853-60
- 533) Theoretical Study of a New Group of Corrosion Inhibitors. A Zarrouk, M Assouag, H Zarrok, H Oudda, F Bentiss, R Touzani, B Hammouti, M Bouachrine, *Res. J. Pharm. Biol. Chem. Sci.*, 6 N°4 (2015) 1874-82
- 534) Inhibition of mild steel corrosion in hydrochloric acid solution by new synthesized Schiff Base, H. Elmsellem, A. Aouniti, Y. Toubi, H. Steli, M. Elazzouzi, S. Radi, B. Elmahi, Y. El Ouali, A. Chetouani, **B. Hammouti**, *Der Pharma Chemica*, 7(7) (2015)353-364
- 535) Zingiber officinale Roscoe extract using as green corrosion inhibitor for mild steel in 1M HCl media, F. Yousfi, M. El Azzouzi, M. Ramdani, H. Elmsellem, A. Aouniti, N. Saidi, B. El Mahi, A. Chetouani, **B. Hammouti**, *Der Pharma Chem.*, 7(7)(2015)377-388
- 536) Hmamou B. D., Salghi R., Zarrouk A., Zarrok H., Touzani R., **Hammouti B.**, El Assyry A. (2015), Investigation of corrosion inhibition of carbon steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> by new bipyrazole derivative using experimental and theoretical approaches, *Journal of Environmental Chemical Engineering*, 3 N°3, 2031-2041, <https://doi.org/10.1016/j.jece.2015.03.018>
- 537) Corrosion inhibition of carbon steel in aggressive acidic media with 1-(2-(4-chlorophenyl)-2-oxoethyl)pyridazinium bromide, A. Bousskri, A. Anejjar, M. Messali, R. Salghi, O. Benali, Y. Karzazi, S. Jodeh, M. Zougagh, E. E. Ebenso, **B. Hammouti**, *Journal of Molecular Liquids*, 211N°11 (2015)1000-1008
- 538) Chemical constituents and corrosion inhibition of mild steel by the essential oil of Thymus algeriensis in 1.0 M hydrochloric acid solution, I. Hamdani, E. El Ouariachi, O. Mokhtari, A. Salhi, N. Chahboun, B. ElMahi, A. Bouyanzer, A. Zarrouk, **B. Hammouti**, J. Costa, *Der Pharma Chemica*, 7N°8 (2015)252-264
- 539) Corrosion inhibition of mild steel by new N-heterocyclic compound in 1 M HCl: Experimental and computational study, Y. ELouadi, F. Abridgach, A. Bouyanzer, R. Touzani, O. Riant, B. ElMahi, A. El Assyry, S. Radi, A. Zarrouk and **B. Hammouti**, *Der Pharma Chemica*, 7N°8 (2015)265-275
- 540) Elmouaden K., Chaouay A., Oukhrif R., O. Jbara, S. Jodeh, R. Salghi, O. Hamed, M. Hilali, L. bazzi, **B. Hammouti**, S. Radi, (2015) Microbiological Pollution of Marine Environment of the Coastal of Agadir. Impact on the Corrosion of Mild Steel, *Int. J. Electrochem. Sci.*, 10N°10, 7955-7965
- 541) Short Communication Study of the Corrosion Inhibition Effect of Pistachio Essential Oils in 0.5 M H<sub>2</sub>SO<sub>4</sub>, R. Salghi, D. Ben Hmamou, O. Benali, S. Jodeh, I. Warad, O. Hamed, Eno. E. Ebenso, A. Oukacha, S. Tahrouch, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 10 N°10 (2015)8403-8411
- 542) Evaluation of Pelargonium extract and oil as eco-friendly corrosion inhibitor for steel in acidic chloride solutions and pharmacological properties Y. El Ouali, A. Bouyanzer, L. Majidi, J. Paolini, J.-M. Desjobert, J. Costa, A. Chetouani, **B. Hammouti**, S. Jodeh, I. Warad, Y. Mabkhot, T. Ben Hadda, *Res. Chem. Interm.*, 39 N°10(2015)7125-7149
- 543) Antioxidant Activity and Effect of Quince Pulp Extract on the Corrosion of C-steel in 1M HCl, T. Ghazouani, D. Ben Hmamou, E. Meddeb, R. Salghi, O. Benali, H. Bouya, **B. Hammouti**, S. Fattouch, *Res. Chem. Interm.*, 39 (2015)7463-7480
- 544) Synergistic effect of potassium iodide in controlling corrosion of steel in acid medium by Mentha Pulegium extract, A. Khadraoui, A. Khelifa, K. Hachama, H. Boutoumi, **B. Hammouti**, *Res. Chem. Interm.*, 40 N°10(2015)7973-7980
- 545) Electrochemical Evaluation of Linseed Oil as Environmentfriendly Inhibitor for Corrosion of Steel in HCl Solution, L. Afia, R. Salghi, O. Benali, S. Jodeh, I. Warad, E. Ebenso, **B. Hammouti**, *Port. Electrochim. Acta*, 33(3) (2015)137-152

- 546) Inhibition study of mild steel corrosion in hydrochloric acid by new class synthesized 1,4-benzothiazine derivative, N.K. Sebbar, H. Elmsellem, M. Ellouz, S. Lahmidi, E.M. Essassi, I. Fichtali, M. Ramdani, A. Aouniti, A. Brahimi, **B. Hammouti**, *Der Pharma Chemica*, 7N°9 (2015)33-42
- 547) El Ouadi Y., Manssour M., Bouyanzer A., Majidi L., Lahhit N., Bendaif H., Costa J., Chetouani A., Elmsellem H., **Hammouti B.**, (2015) Essential oil composition and antifungal activity of *Salvia officinalis* originating from North-East Morocco, against postharvest phytopathogenic fungi in apples, *Der Pharma Chemica*, 7N°9, 95-102
- 548) The use of *Pistacialentiscus* L. oil as green inhibitor for corrosion of mild steel in 1M Hydrochloric acid solution: Thermodynamic and adsorption investigations, T. Haloui, Y. Kharbach, Z. Tribak, M. El Azzouzi, A. Aouniti, **B. Hammouti**, A.B. Alaoui, *Der Pharma Chemica*, 7N°9 (2015)225-238
- 549) Brahimi A., Chafi A., Nouayti N., Elmsellem H., **Hammouti B.** (2015), Metal typology contamination of surface waters of Za River, Lower Moulouya, Eastern Morocco, *Der Pharma Chemica*, 7N°9, 346-353
- 550) Effect of 1,5-dibenzyl-1H-pyrazolo[3,4-d]pyrimidine-4(5H)-thioneoninhibition of mild steel corrosion in 1M HCl, Y. El Ouadi, M. Elfal, A. Bouyanzer, H. Elmsellem, Y. Ramli, E.M. Essassi, N. Lahhit, A. Aouniti, A. Chetouani, **B. Hammouti**, *Der Pharma Chemica*, 7N°9 (2015)354-367
- 551) An investigation of mild steel corrosion inhibition in hydrochloric acid medium by environment friendly green inhibitor, I. Hamdani, E. El Ouariachi, O. Mokhtari, A. Salhi, A. Bouyanzer, A. Zarrouk, B. Hammouti, J. Costa, *Der Pharma Letter*, 7N°9 (2015) 109-118
- 552) A sensor for in situ control of acidity level of concentrated HF solutions, **B. Hammouti**, H. Oudda, Z. Ahmadi, A. Benayada, *Ar. J. Chem. Environ. Res*, 2(1) (2015) 29-36
- 553) Experimental and theoretical study on the corrosion inhibition of mild steel by ethyl 1-(((4-acetylphenyl)((3-(ethoxycarbonyl)-1H-pyrazol-1-yl)methyl)amino) methyl)-5-methyl-1H-pyrazole-3-carboxylate in sulfuric acid solution, S. EL Arouji, K. Alaoui Ismaili, A. Zerrouki, S. El Kadiri, A. El Assyry, Z. Rais, M. Filali Baba, M. Taleb, A. Zarrouk, A. Aouniti, **B. Hammouti**, *Der Pharma Chemica*, 7N°10 (2015) 23-33
- 554) Electrochemical and gravimetric studies of the corrosion inhibition of mild steel in HCl medium by cymbopogonardus oil, K. Alaoui Ismaili, S. EL Arouji, A. Abdellaoui, F. El Kamani, Z. Rais, M. Filali Baba, M. Taleb, Khadijah M. Emran, A. Zarrouk, A. Aouniti, **B. Hammouti**, *Der Pharma Chemica*, 7N°10 (2015) 34-44
- 555) DNA affinity screening of extracts tunicate *Cynthia squamulata* from the Atlantic coast, T. Ainane, A. Abourriche, N. Oukkache, H. Lamdini, **B. Hammouti**, A. Bennamara, *Der Pharma Chemica*, 7N°10 (2015) 45-49
- 556) Inhibition effects of a new synthesized pyrazole derivative on the corrosion of mild steel in sulfuric acid solution, S. EL Arouji, K. Alaoui Ismaili, A. Zerrouki, S. El Kadiri, Z. Rais, M. Filali Baba, M. Taleb, Khadijah M. Emran, A. Zarrouk, A. Aouniti, **B. Hammouti**, *Der Pharma Chemica*, 7N°10 (2015) 67-76
- 557) Theoretical prediction and experimental study of 5-methyl-1H-pyrazole-3-carbohydrazide as a novel corrosion inhibitor for mild steel in 1.0 M HCl, H. Elmsellem, K. Karrouchi, A. Aouniti, **B. Hammouti**, S. Radi, J. Taoufik, M. Ansar, M. Dahmani, H. Steli, B. El Mahi, *Der Pharma Chemica*, 7N°10 (2015) 237-245
- 558) Adsorption and corrosion inhibition of mild steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> by a new thiazine derivative 2H-benzo[b][1,4]thiazin-3(4H)-one using experimental and theoretical approaches, A. Elyoussfi, H. Elmsellem, A. Dafali, K. Cherrak, N. K. Sebbar, A. Zarrouk, E.M. Essassi, A. Aouniti, B. ElMahi, **B. Hammouti**, *Der Pharma Chemica*, 7(10) (2015) 284-291
- 559) Hexane extract of *Nigella sativa* L as eco-friendly corrosion inhibitor for steel in 1 M HCl medium, I. El Mounsi, H. Elmsellem, A. Aouniti, H. Bendaha, M. Mimouni, T. Benhadda, R. Mouhoub, B. El Mahi, A. Salhi, **B. Hammouti**, *Der Pharma Chemica*, 7N°10 (2015) 350-356
- 560) Investigation of corrosion inhibition of mild steel in 1 M HCl by 3-oxo-[1,4]-benzothiazine derivative (T1) using experimental and theoretical approaches, N. K. Sebbar, H. Elmsellem, M. Ellouz, S. Lahmidi, A.L. Essaghouani, E. M. Essassi, M. Ramdani, A. Aouniti, B. El Mahi, **B. Hammouti**, *Der Pharma Chemica*, 7N°10 (2015) 579-587
- 561) The role of new phosphonate derivatives on the corrosion inhibition of mild steel in 1M H<sub>2</sub>SO<sub>4</sub> media, Kharbach Y., Haoudi A., Skalli M.K., Kandri Rodi Y., Aouniti A., **Hammouti B.**, Senhaji O., Zarrouk A., **J. Mater. Environ. Sci.** 6 (2015) 2906-2916
- 562) A comparative study of electrochemical oxidation of methidation organophosphorous pesticide on SnO<sub>2</sub> and boron-doped diamond anodes, F. Hachami, M. Errami, L. Bazzi, M. Hilali, R. Salghi, S. Jodeh, **B. Hammouti**, O. A. Hamed, *Chemistry Central Journal*, 9 N°1 (2015) 59
- 563) Ad C., Benalia M., Laidani Y., H. Elmsellem, F. Ben Saffedine, I. Nouacer, M. Djedid, B. El Mahi, **Hammouti B.** (2015) Adsorptive removal of cadmium from aqueous solution by *Luffa Cylindrica*: Equilibrium, dynamic and thermodynamic, *Der Pharma Chemica*, 7N°12, 388-397
- 564) Electrochemical Studies of 3,3'-Dimethylbiphenyl-4,4'-diamin C<sub>14</sub>H<sub>16</sub>N<sub>2</sub> (O. Tolidine) On Carbon Steel Corrosion in Hydrochloric Acid Medium, A. Bousskri, Ali Anejjar, H. Lgaz, M. Belkhaouda, S. Jodeh, **B. Hammouti**, *Applied Journal of Environmental Engineering Science* 1N°1 (2015) 9-24
- 565) Aqueous extracts of olive roots, stems and leaves as eco-friendly corrosion inhibitor for steel in 1MHCl medium, Bouknana D., **Hammouti B.**, Serghini caid H., Jodeh S., Bouyanzer A., Aouniti A., Warad I., *International Journal of Industrial Chemistry*, 6 N°4 (2015) 233-245
- 
- 566) Effect of Nitrophenyl derivatives on the carbon steel corrosion behavior in acidic medium: Experimental and theoretical studies, A. Batah, A. Anejjar, M. Belkhaouda, L. Bammou, L. Bazzi, **B. Hammouti**, *Applied Journal of Environmental Engineering Science* 2N°2 (2016) 56-71
- 567) The oil from *Mentha rotundifolia* as green inhibitor of steel corrosion in hydrochloric acid, A. Khadraoui, A. Khelifa, K. Hachama, H. Boutoumi, **B. Hammouti**, *Chemical Engineering Communications*, 203 N°2 (2016) 270-277
- 568) Gravimetric, electrochemical and quantum chemical studies of some pyridazine derivatives as corrosion inhibitors for mild steel in 1 M HCl solution, A. Khadiri, R. Saddik, K. Bekkouche, A. Aouniti, **B. Hammouti**, N. Benchat, M. Bouachrine, R. Solmaz, *Journal of the Taiwan Institute of Chemical Engineers*, 58 N°1 (2016) 552-564.
- 569) Study of Corrosion Inhibition for Mild Steel in Hydrochloric Acid Solution by *Limbarida crithmoides* (L.) Essential Oil of Corsica, Andreani S., Znini M., Paolini J., Majidi L., **Hammouti B.**, Costa J., Muselli A., **J. Mater. Environ. Sci.** 7 (1) (2016) 187-195
- 570) Effect of some Benzimidazole compounds on C38 steel corrosion in hydrochloric acid solution, Ismaili Alaoui K., Ouazzani F., Kandri rodi Y., Azaroual A.M., Rais Z., Filali Baba M., Taleb M., Chetouani A., Aouniti A., **Hammouti B.**, **J. Mater. Environ. Sci.** 7 (1) (2016) 244-258

- 571) New hydrazine derivatives as corrosion inhibitors for mild steel protection in phosphoric acid medium. Part A: Experimental study, Belghiti M. E., Tighadouini S., Karzazi Y., Dafali A., **Hammouti B.**, Radi S., Solmaz R., **J. Mater. Environ. Sci.** 7 (1) (2016) 337-346
- 572) The theobromine (chocolate) as green inhibitor of mild steel corrosion in hydrochloric acid: Electrochemical and theoretical quantum studies, H. Elmsellem, A. Elyoussfi, H. Steli, N. K. Sebbar, E. M. Essassi, M. Dahmani, Y. El Ouadi, A. Aouniti, B. El Mahi, **B. Hammouti, Der Pharma Chemica**, 8N°1 (2016) 248-256
- 573) Investigation of corrosion inhibition of mild steel in 1M HCl by 3-methyl-4-(3-methyl-isoxazol-5-yl)isoxazol-5(2H)-one monohydrate using experimental and theoretical approaches, S. Lahmidi, H. Elmsellem, A. Elyoussfi, N. K. Sebbar, E. M. Essassi, Y. Ouzidan, Y. KandriRodi, K. Dguigui, B. El Mahi, **B. Hammouti, Der Pharma Chemica**, 8N°1 (2016) 294-303
- 574) *Gracilaria bursa-pastoris* as eco-friendly corrosion inhibitor for mild steel in 1 M HCl media, M. Ramdani, H. Elmsellem, B. Haloui, M. Ramdani, N. Elkhiaati, M. Layachi, A. Mesfioui, **B. Hammouti, A. Aouniti, B. El Mahi, Der Pharma Chemica**, 8N°1 (2016) 330-337
- 575) Effect of 1,5-di(prop-2-ynyl)-1H-pyrazolo[3,4-d]pyrimidine-4(5H)-thione on inhibition of mild steel corrosion in 1M HCl, Y. El Ouadi, H. Elmsellem, M. El fal, N. K. Sebbar, A. Bouyanzer, R. Rmili, E. M. Essassi, B. El Mahi, L. Majidi, **B. Hammouti, Der Pharma Chemica**, 8N°1 (2016) 365-373
- 576) Application of essential oil of thyme vulgaris as green corrosion inhibitor for mild steel in 1M HCl, ElHajaji F., Greche H., Taleb M., Chetouani A., Aouniti A., **Hammouti B., J. Mater. Environ. Sci.** 7 (2) (2016) 566-578
- 577) Azzaoui K., Mejdoubi E., Lamhamdi A., **Hammouti B.**, Akartasse N., Berrabah M., Elidrissi A., Jodeh S., Hamed O., Abidi N. (2016), Novel tricomponenets composites films from polylactic acid/hydroxyapatite/poly-caprolactone suitable for biomedical applications, **J. Mater. Environ. Sci.** 7(3), 761-769
- 578) New Hydrazine Derivatives as Corrosion for mild steel in phosphoric acid medium. Part B: Theoretical investigation, Belghiti M.E., Karzazi Y., Tighadouini S., Dafali A., Jama C., **Hammouti B.**, Radi S., **J. Mater. Environ. Sci.** 7 (3) (2016) 956-967
- 579) 1-Ethyl-4-phenyl-2,3-dihydro-1H-1,5-benzodiazepin-2-one as a new corrosion inhibitor for mild steel in hydrochloric acid, A.L. Essaghoulani, H. Elmsellem, M. Ellouz, M. El Hafi, M. Boulhaoua, N.K. Sebbar, E.M. Essassi, M. Bouabdellaoui, A. Aouniti, **B. Hammouti, Der Pharma Chemica**, 8N°2 (2016) 297-305
- 580) Adsorption proprieties and inhibition of mild steel corrosion in HCl solution by 1-Benzyl-4-phenyl-2,3-dihydro-1H-1,5-benzodiazepin-2-one, A. L. Essaghoulani, H. Elmsellem, M. Boulhaoua, M. Ellouz, M. El Hafi, N. K. Sebbar, E. M. Essassi, M. Bouabdellaoui, A. Aouniti and **B. Hammouti, Der Pharma Chemica**, 8N°2 (2016) 347-355
- 581) Relationship between structure and inhibition behaviour of (E)-4-(2,3-Dihydro-1,3-benzothiazol-2-ylidene)-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one (P1) for mild steel corrosion: Experimental and theoretical approach, I. Chakib, H. Elmsellem, N. K. Sebbar, E. M. Essassi, I. Fichtali, A. Zerzouf, Y. Ouzidan, A. Aouniti, B. El Mahi, **B. Hammouti, Der Pharma Chemica**, 8N°2 (2016) 380-391
- 582) Investigation of (4Z)-4-(2H-1,4-benzothiazin-3(4H)-ylidene)-5-methyl-2-phenyl-2,4-dihydro-3H-pyrazol-3-one as a new corrosion inhibitors in molar hydrochloric acid: Computational calculations, I. Chakib, H. Elmsellem, N.K. Sebbar, E.M. Essassi, I. Fichtali, A. Zerzouf, Y. Ouzidan, A. Aouniti, B. ElMahi, **B. Hammouti, Der Pharma Chemica**, 8N°2 (2016) 422-433
- 583) Karim S., Aouniti A., Belbachir C., Rahhou I., El Abed S. and **Hammouti B.**, (2016) Metallic contamination (Cd, Pb, Cu, Zn, Fe, Co) of the Octopus (*Octopus Vulgaris* Cuvier, on 1797) fished in the Mediterranean coast from the north east of Morocco, **Journal of Chemical and Pharmaceutical Research**, 8N°2, 821-828
- 584) The use of essential oil of thymus capitatus originating from north-east morocco, as eco-friendly corrosion inhibitors of mild steel in hydrochloric acid solution, El Ouadi Y., Lahhit N., Bouyanzer A. Elmsellem H., Majidi L., Zhini M., Abdel-Rahman I., **Hammouti B.**, El Mahi B., Costa J., **International Journal of Development Research**, 6N2 (2016) 6867-6874
- 585) Inhibitive of methanol extract of Pennyroyal Mint (*Mentha pulegium*) on the corrosion of mild steel in HCl, A. Salhi, A. Bouyanzer, I. El Mounsi, I. Hamdani, H. Bendaha, R. Rmili, H. Akichouh, M. Allali, A. Zarrouk, **B. Hammouti, J. Costa, Der Pharma Lettre**, 8N°2 (2016) 33-42
- 586) Natural product extract as eco-friendly corrosion inhibitor for mild steel in 1M HCl, A. Salhi, A. Bouyanzer, I. El Mounsi, I. Hamdani, H. Bendaha, R. Rmili, H. Akichouh, A. Zarrouk, R. Touri, **B. Hammouti, J. Costa, Der Pharma Let.** 8(2) (2016) 79-89
- 587) Kimbiolongo extract as corrosion inhibitor for mild steel in 1.0 M HCl, A. Boujakhrouf, I. Hamdani, O. Krim, A. Bouyanzer, R. V. Santana, A. Zarrouk, **B. Hammouti, H. Oudda, Der Pharma Lettre**, 8N°2 (2016) 180-187
- 588) Hachama K., Khadraoui A., Zouikri M., Khodja M., Khelifa A., Echiker K., **Hammouti B.** (2016), Synthesis, characterization and study of methyl 3-(2-oxo-2H-1,4-benzoxazin-3-yl) propanoate as new corrosion inhibitor for carbon steel in 1M H<sub>2</sub>SO<sub>4</sub> solution, **Res. Chem. Inter.**, 42 N°2 987-996
- 589) Experimental, Quantum Chemical and Monte Carlo simulation studies on the inhibition of 3,5-disubstituted-4-amino-1,2,4-triazoles on mild steel corrosion in acidic medium, M. El Belghiti, Y. Karzazi, A. Dafali, **B. Hammouti, F. Bentiss, I. B. Obot, I. Bahadur, E. E. Ebenso, J. Mol. Liq.** 218 (6) (2016) 281-293
- 590) H. Bendaha, H. Elmsellem, A. Aouniti, M. Mimouni, A. Chetouani & **B. Hammouti**, Investigation of the Corrosion-Resistant Properties of Citrus Aurantium Essential Oil in 1 M HCl, **Materials Science** volume 52 (2016) 123–131
- 591) Anti-corrosive properties of 4-amino-3,5-bis(disubstituted)-1,2,4-triazole derivatives on mild steel corrosion in 2M H<sub>3</sub>PO<sub>4</sub> solution: experimental and theoretical studies, M. E. Belghiti, Y. Karzazi, A. Dafali, I. B. Obot, E. E. Ebenso, K. M. Emran, I. Bahadur, **B. Hammouti, F. Bentiss, J. Mol. Liq.** 218 (6) (2016) 874-886
- 592) Corrosion Inhibition of mild steel in hydrochloric acid solution by pyrido[2,3-b]pyrazine derivative: electrochemical and theoretical evaluation, Hjouji M. Y., Djedid M., Elmsellem H., Kandri Rodi Y., Ouzidan Y., Ouazzani Chahdi F., Sebbar N. K., Essassi E. M., Abdel-Rahman I., **Hammouti B., J. Mater. Environ. Sci.** 7 (4) (2016) 1425-1435
- 593) Synthesis of novel pyrido[2,3-b]pyrazine derivative evaluated theoretically and electrochemically as a corrosion inhibitor for mild steel in 1M HCl solutions, M. Y. Hjouji, M. Djedid, H. Elmsellem, Y. Kandri Rodi, M. Benafia, H. Steli, Y. Ouzidan, F. Ouazzani Chahdi, E. M. Essassi and **B. Hammouti, Der Pharma Chemica**, 8N°4 (2016) 85-95
- 594) 2-oxo-N'-phenyl-1,2-dihydroquinoline-4-carbohydrazide as Corrosion Inhibitor for Mild Steel in Acidic Medium: Experimental Studies, Y. Filali Baba, H. Elmsellem, Y. Kandri Rodi, H. Steli, C. AD, Y. Ouzidan, F. Ouazzani Chahdi, N. K. Sebbar, E. M. Essassi, **B. Hammouti, Der Pharma Chemica**, 8N°4 (2016) 159-169
- 595) Some quinoline derivatives: Synthesis and comparative study towards corrosion of mild steel in 0.5 H<sub>2</sub>SO<sub>4</sub>, A. Elyoussfi, A. Dafali, H. Elmsellem, Y. Bouzian, R. bouhfid, A. Zarrouk, K. Cherrak, E. M. Essassi, A. Aouniti, **B. Hammouti, Der Pharma Chemica**, 8N°4 (2016) 226-236

- 596) Evaluation of 2-thioxo-1,2-dihydroquinoline-4-carboxylic acid as corrosion inhibitor for carbon steel in 1M HCl A.Elyoussfi, Y. Bouzian, A. Dafali, H. Elmsellem, R. Bouhfid, R. Mehdaoui, K. Cherrak, E. M. Essassi, A. Zarrouk, **B. Hammouti**, *Der Pharma Lettre*, 8N°4 (2016)255-264
- 597) Electrochemical, gravimetric and theoretical evaluation of (4Z)-2,5-dimethyl-4-(4-methylpyrimido[1,2-a]benzimidazol-2(1H)-ylidene)-2,4-dihydro-3H-pyrazol-3-one (P1) as a corrosion inhibitor for mild steel in 1 M HCl solution, Chakib I., Elmsellem H., Sebbar N. K., Lahmidi S., Nadeem A., Essassi E. M., Ouzidan Y., Abdel-Rahman I., Bentiss F., **Hammouti B.**, *J. Mater. Environ. Sci.* 7 (6) (2016) 1866-1881
- 598) Study of new 5-Chloro-Isatin derivatives as efficient organic inhibitors of corrosion in 1M HCl medium: Electrochemical and SEM studies, Tribak Z., Kharbach Y., Haoudi A., Skalli M.K., Kandri Rodi Y., El Azzouzi M., Aouniti A., **Hammouti B.**, Senhaji O., *J. Mater. Environ. Sci.* 7 (6) (2016) 2006-2020
- 599) The Inhibition Effect of 1-Pentyl Pyridinium Bromide towards Copper Corrosion in Phosphoric Acid Containing Chloride, A. Bousskri, R. Salghi, A. Anejjar, M. Messali, S. Jodeh, O. Benali, M. Larouj, I. Warad, O. Hamed, **B. Hammouti**, *Port. Electrochim. Acta* 34(1) (2016) 1-21
- 600) Composition of Piper Nigrum L. Essential Oils Extracted by Classical Hydrodistillation and Microwave-assisted Hydrodistillation and Inhibitory Effect on the Corrosion of mild steel in hydrochloric acid, Rmili R., Elmsellem H., Ramdani M., El Mahi B., Ghazi Z., Chetouani A., Aouniti A., **Hammouti B.**, *J. Mater. Environ. Sci.* 7 (7) (2016) 2646-2657
- 601) Some Hydrazine Derivatives as Corrosion Inhibitors for Mild Steel in 1.0 M HCl: Weight loss, Electrochemical, SEM and Theoretical Studies, M. El Azzouzi, A. Aouniti, S. Tighadouin, H. Elmsellem, S. Radi, **B. Hammouti**, A. El Assyry, F. Bentiss, A. Zarrouk, *Journal of Molecular Liquids*, 221(2016) 633-641
- 602) El Ouasif L., Merini I., Zarrok H., El ghouli M., Achour R., Guenbour A., Oudda H., El-Hajjaji F., **Hammouti B.** (2016), Synthesis and inhibition study of carbon steel corrosion in hydrochloric acid of a new surfactant derived from 2-mercaptobenzimidazole, *J. Mater. Environ. Sci.* 7 (8), 2718-2730
- 603) Theoretical evaluation of 1,4-dihydro-6-methyl-quinoxaline-2,3-dione (P2) as a corrosion inhibitor for mild steel in HCl solution) A. Zoutini, Y. KandriRodi, H. Elmsellem, H. Steli, F. OuazzaniChahdi, Y. Ouzidan, N. K. Sebbar, E. M. Essassi, F. El-Hajjaji and **B. Hammouti**, *Der Pharma Chemica*, 8N°10 (2016) 23-31
- 604) The Nigella Sative and Elettaria Cardamomum oils as an Environment-Friendly inhibitor on the Corrosion of Brass in 1M HCl A. Nadeem, H. Elmsellem, I. Raissouni, S. Tazi, N. K. Sebbar, Y. El Ouadi, M. Ellouz, K. Al Mamari, E. M. Essassi, I. Abdel-Rahman and **B. Hammouti**, *Der Pharma Chemica*, 8N°10 (2016) 67-76
- 605) Experimental and quantum chemical studies on corrosion inhibition effect of 6-bromo-2-oxo-1,2-dihydroquinoline-4-carboxylic acid on mild steel in HCl solution Y. Filali Baba, H. Elmsellem, Y. KandriRodi, H. Steli, F. OuazzaniChahdi, Y. Ouzidan, N. K. Sebbar, E. M. Essassi, F. El-Hajjaji, **B. Hammouti**, *Der Pharma Chemica*, 8(10) (2016) 128-137
- 606) 3-Allyl-6-bromo-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine as a potential inhibitor for Corrosion of mild steel in in 1.0 HCl solution S. Bourichi, Y. KandriRodi, H. Elmsellem, H. Steli, Y. Ouzidan, N. K. Sebbar, F. OuazzaniChahdi, E. M. Essassi, F. El-Hajjaji and **B. Hammouti**, *Der Pharma Chemica*, 8N°10 (2016) 179-186
- 607) Inhibitive properties, adsorption and theoretical study of 3,7-dimethyl-1-(prop-2-yn-1-yl)quinoxalin-2(1H)-one as efficient corrosion inhibitor for carbon steel in hydrochloric acid solution, A. Zarrouk, H. Zarrok, Y. Ramli, M. Bouachrine, **B. Hammouti**, A. Sahibed-dine, F. Bentiss, *Journal of Molecular Liquids*, 222 (2016) 239-252
- 608) Electrochemical Impedance Spectroscopy Investigations of Steel Corrosion in Acid media in the presence of Thiophene Derivatives, S. Ben Aoun, M. Bouklah K.F. Khaled, **B. Hammouti**, *Int. J. Electrochem. Sci.*, 11(9) (2016) 7343-7358
- 609) O. Krim, S. Jodeh, M. Messali, **B. Hammouti**, A. Elidrissi, K. Khaled, R. Salghi, H. Lgaz, Synthesis, Characterization and Corrosion Protection Properties of Imidazole Derivatives on Mild Steel in 1.0 M HCl, *Port. Electrochim. Acta*, 34 N°3 (2016) 213-229
- 610) Evaluation of Melissa Officinalis Extract and Oil as Eco-friendly Corrosion Inhibitor for Carbon Steel in Acidic Chloride Solutions, A. Nahlé, Y. El Ouadi, A. Bouyanzer, L. Majidi, J. Paolini, J. M. Desjobert, J. Costa, N. Chahboun, A. Zarrouk and **B. Hammouti**, *Oriental J. Chem* 32(4) (2016) 1909-1921
- 611) Inhibition effects of a new syntheses aniline derivative on the corrosion of carbon steel in hydrochloric acid solution A. Saady, E. Ech-chihbi, Z. Rais, M. Filali Baba, R. Allali, K. Cherrak, F. EL Hajjaji, **B. Hammouti**, H. Elmsellem and M. Taleb, *Der Pharma Chemica*, 8(13) (2016) 133-143,
- 612) Inhibition of mild steel corrosion using the extract of Foeniculum vulgare in acid medium A. Bouoidina, F. El-Hajjaji, M. Chaouch, A. Abdellaoui, H. Elmsellem, Z. Rais, M. Filali Baba, A. Lahkimi, **B. Hammouti** and M. Taleb, *Der Pharma Chemica*, 8(13) (2016) 149-157,
- 613) The inhibition effect of imidazopyridine derivatives on C38 steel in hydrochloric acid solution R. Salim, E. Ech Chihbi, H. Oudda, Y. ELAoufir, F. El-Hajjaji, A. Elaataoui, A. Oussaid, **B. Hammouti**, H. Elmsellem and M. Taleb, *Der Pharma Chemica*, 8(13) (2016) 200-213
- 614) Effect of some imidazopyridine compounds on carbon steel corrosion in hydrochloric acid solution E. Ech-chihbi, R. Salim, H. Oudda, A. Elaataoui, Z. Rais, A. Oussaid, F. El Hajjaji, **B. Hammouti**, H. Elmsellem and M. Taleb, *Der Pharma Chemica*, 8(13) (2016) 214-230
- 615) Schiff's base derived from 2-acetyl thiophene as corrosion inhibitor of steel in acidic medium, A. Aouniti, H. Elmsellem, S. Tighadouini, M. Elazzouzi, S. Radi, A. Chetouani, **B. Hammouti**, A. Zarrouk, *Journal of Taibah University for Science*, 10 (2016) 774-785
- 616) Adsorption and corrosion inhibition of new synthesized quinoline on mild steel in HCl and H<sub>2</sub>SO<sub>4</sub> solutions, Elyoussfi A., Dafali A., Elmsellem H., Steli H., bouzian Y., Cherrak K., El Ouadi Y., Zarrouk A., **Hammouti B.**, *J. Mater. Environ. Sci.* 7 (9) (2016) 3344-3352
- 617) Quality Assessment and Potential Reuse of Treated Wastewater by Activated Sludge (Sana'a city, Yemen) : Physico-Chemical Study, K.A. Merghem, H. El Halouani, O. Mokhtari, A. A. Alnedhary, **B. Hammouti**, K. Dssouli, F. Ait Nouh, G. Elkhadir, A. Chetouani, *Mor. J. Chem.* 4 N°3 (2016) 731-742
- 618) Jaafar A., Boussaoud A., Azzaoui K., Mejdoubi E., Chetouani A., **Hammouti B.**, Berrabah M., Lamhamdi A. (2016), Decolorization of Basic Red 5 in aqueous solution by Advanced Oxidation Process using Fenton's reagent, *Mor. J. Chem.* 4, 759-763, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v4i3.5206>
- 619) Inhibitive effect of some phosphonate derivatives on the corrosion of carbon steel in 2 M H<sub>3</sub>PO<sub>4</sub>, A. Zarrouk, M. El Azzouzi, A. Aouniti, **B. Hammouti**, R. Ghibate, F. Sabry, O. Senhaji, R. Taouil, F. Bentiss, *Mor. J. Chem.* 4 N°3 (2016) 764-774



- 620) Physicochemical Characterization and Corrosion Inhibition Potential of 4, 5-(alkylthio)-1, 3-dithiole-2- thione for mild steel in 1 M hydrochloric acid, Jeroundi D., Elmsellem H., Chakroune S., **Hammouti B.**, Idouhli R., El Hadrami E. M., Ben-Tama A., Oudani M., Ouzidan Y., Kandri Rodi Y., **J. Mater. Environ. Sci.** 7 (10) (2016) 3895-3904.
- 621) Density Functional Theory modeling and Monte Carlo simulation assessment of N-Substituted Quinoxaline Derivatives as Mild Steel Corrosion Inhibitors in acidic medium, Karzazi Y., Belghiti M. E., El-Hajjaji F., **Hammouti B.**, **J. Mater. Environ. Sci.** 7 (10) (2016) 3916-3929.
- 622) Chemical composition, antioxidant and anticorrosive activities of Thymus Algeriensis, Salhi A., Bouyanzer A., Chetouani A., Hamdani I., El Ouariachi E., Chahboun N., **Hammouti B.**, Desjobert J.M., J. Costa J., **J. Mater. Environ. Sci.** 7 (11) (2016) 3949-3960
- 623) Density Functional Theory modeling and Monte Carlo simulation assessment of inhibition performance of two Quinoxaline Derivatives for Steel Corrosion, Karzazi Y., Belghiti M. E., El-Hajjaji F., Boudra S., **B. Hammouti**, **J. Mater. Environ. Sci.** 7 (11) (2016) 4011-4023
- 624) Quinoxaline Derivatives as Corrosion Inhibitors of Carbon Steel in Hydrochloric Acid Media: Electrochemical, and Monte Carlo simulations studies, EL Aoufir Y., Lgaz H., Bourazmi H., Kerroum Y., Ramli Y., Guenbour A., Salghi R., El-Hajjaji F., **Hammouti B.**, Oudda H., **J. Mater. Environ. Sci.** 7 (12) (2016) 4330-4347
- 625) Corrosion inhibition of mild steel by 6-bromo-1H-imidazo[4,5-b]pyridin-2(3H)-one in 1M HCl: Experimental and computational study, Sikine M., Elmsellem H., Kandri Rodi Y., Steli H., Aouniti A., **Hammouti B.**, Ouzidan Y., Ouazzani Chahdi F., Bourass M., Essassi E.M., **J. Mater. Environ. Sci.** 7 (12) (2016) 4620-4632
- 626) Karim S., Aouniti A., El hajjaji F., Taleb M., Belbachir C., Hammouti B. and Zarrouk A. (2016), Bioaccumulation of heavy metals in commercially important marine fishes (Palaemon Serratus and Solea Vulgaris) caught in the Mediterranean coast from the North East of Morocco, **Der Pharma Chemica**, 8(19), 515-523
- 627) Corrosion inhibition of carbon steel in hydrochloric acid solution by Pomegranate leave extracts: Temperature effect, activation energies and thermodynamics of adsorption, Y. Abboud, O. Tanane, A. El Bouari, R. Salghi, **B. Hammouti**, A. Chetouani, S. Jodeh, **Corrosion Engineering Science and Technology**, 51 N°8 (2016) 557-565
- 628) Experimental study of the corrosion inhibition of mild steel by the N1, N1, N5, N5-tetrakis ((1H-pyrazol-1-yl) methyl) naphthalene-1,5-diamine in hydrochloric acid solution, N.I Mechbal, Y. Karzazi, F. Abridgach, F. El-Hajjaji, **B. Hammouti Mor. J. Chem.** 4 N°4 (2016) 876-890
- 629) The inhibitive action of Pistacia lentiscus as a potential green corrosion inhibitor for mild steel in acidic medium, A. Salhi, A. Bouyanzer, I. El Mounsi, H. Bendaha, E. El Ouariachi, A. Chetouani, N. Chahboun, A. Zarrouk, **B. Hammouti**, J. M.Desjobert, J. Costa, **Mor. J. Chem.** 4N°4 (2016) 1037-1051
- 630) Ad C., Benalia M., Djedid M., Elmsellem H., Ben Saffedine F., Messaoudi A., Kadmi Y., Ouzidan Y., Hammouti B. (2016), A new lignocellulosic material based on Luffa cylindrica for Nickel(II) adsorption in aqueous solution, **Mor. J. Chem.** 4(4), 1096-1105
- 631) Theoretical study using DFT calculations on inhibitory action of two pyrazole compounds on corrosion of Steel in phosphoric acid, I. Bendahou, **B. Hammouti**, N. Merad, S. Ghalem, R. Touzani, **J. Appl. Chem. Envir. Prot.** 1(1) (2016) 01-08
- 
- 632) The study of the effect of ethyl (6-methyl-3-oxopyridazin-2-yl) acetate on mild steel corrosion in 1M HCl, A. Ghazoui, N. Benchat, F. El-Hajjaji, M. Taleb, Z. Rais, R. Saddik, A. Elaatioui, **B. Hammouti**, **Journal of Alloys and Compounds**, 693 (2017) 510-517
- 633) Effect of clozapine on inhibition of mild steel corrosion in 1.0 M HCl medium, H. Lgaz, R. Salghi, S. Jodeh, **B. Hammouti Journal of Molecular Liquids**, 225 (2017) 271-280
- 634) Experimental, Monte Carlo simulation and quantum chemical analysis of 1,5-di(prop-2-ynyl)-benzodiazepine-2,4-dione as new corrosion inhibitor for mild steel in 1 M hydrochloric acid solution, Sikine M., Elmsellem H., Kandri Rodi Y., Kadmi Y., Belghiti M., Steli H., Ouzidan Y., Sebbar N.K., Essassi E.M., **Hammouti B.**, **J. Mater. Environ. Sci.** 8 (1) (2017) 116-133
- 635) Corrosion inhibition of mild steel by two new 1,2,4-triazolo[1,5-a] pyrimidine derivatives in 1 M HCl: Experimental and computational study, Lahmidi S., Elyoussfi A., Dafali A., Elmsellem H., Sebbar N. K., El Ouasif L., E. Jilalat A., El Mahi B., Essassi E. M., Abdel-Rahman I., Hammouti B., **J. Mater. Environ. Sci.** 8 (1) (2017) 225-237
- 636) 5-Chloro-1H-indole-2,3-dione derivative as corrosion inhibitor for mild steel in 1M H<sub>3</sub>PO<sub>4</sub>: weight loss, electrochemical and SEM studies, Tribak Z., Haoudi A., Skalli M.K., Kandri Rodi Y., El Azzouzi M., Aouniti A., **Hammouti B.**, Senhaji O., **J. Mater. Environ. Sci.** 8 (1) (2017) 298-309
- 637) Inhibition Effect of E and Z Conformations of 2-pyridinecarboxaldehyde azine on Mild Steel Corrosion in Phosphoric Acid, M. E. Belghiti, A. Nahlé, A. Ansari, Y. Karzazi, S. Tighadouini, A. Dafali, **B. Hammouti**, S. Radi, **Anti-Corros, Mater & Meth.** 64 N°1 (2017) 23-35
- 638) Essential oil mentha suaveolens L: Chemical composition, anticorrosive properties on mild steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> and chemometric approach, Hamdani I., Chikri M., Fethi F., Salhi A., Bouyanzer A., Zarrouk A., **Hammouti B.**, Costa J., Desjobert J.M., **J. Mater. Environ. Sci.** 8 (2) (2017) 526-538
- 639) 5-chloro-1-octylindoline-2,3-dione as a new corrosion inhibitor for mild steel in hydrochloric acid solution, Tribak Z., Kandri Rodi Y., Elmsellem H., Abdel-Rahman I., Haoudi A., Skalli M. K., Kadmi Y., **Hammouti B.**, Ali Shariati M., Essassi E. M., **J. Mater. Environ. Sci.** 8 (3) (2017) 1116-1127
- 640) Chemical composition of essential oil and antioxidant and anti-corrosion activity of extract and essential oil of Pennyroyal Mint (Mentha pulegium, MP), A. Salhi, A. Bouyanzer, I. Hamdani, I. El Mounsi, H. Bendaha, E. El Ouariachi, A. Chetouani, N. Chahboun, **B. Hammouti**, J.M. Desjobert, J. Costa, **Mor. J. Chem.** 5 N°1 (2017) 59-71
- 941) Electrochemical and Theoretical Study of Pyrazole 4-(4,5- dihydro-1H-pyrazol-5-yl)-N,N-dimethylaniline (D) as a Corrosion Inhibitor for Mild Steel in 1 M HCl R. Chadli, M. Elazouzi, I. Khelladi, A.M. Elhourri, H. Elmsellem, A. Aouniti, J. Kajima Mulengi, **B. Hammouti**, **Portugaliae Electrochimica Acta**, 35(2) (2017) 65-80
- 642) R. Salghi, S. Jodeh, Eno E. Ebenso, H. Lgaz, D. Ben Hmamou, M. Belkhaouda, I. H. Ali, M. Messali, **B. Hammouti**, S. Fattouch, Inhibition of C-steel Corrosion by Green Tea Extract in Hydrochloric Solution, **Int. J. Electrochem. Sci.**, 12 N°4 (2017) 3283-3295
- 643) R. Salghi, S. Jodeh, Eno E. Ebenso, H. Lgaz, D. Ben Hmamou, I.H. Ali, M. Messali, **B. Hammouti**, N. Benchat, 6-phenyl pyridazin-3(2H)one as New Corrosion Inhibitor for C38 Steel in 1 M HCl. **Int. J. Electrochem. Sci.**, 12N°4 (2017) 3309-3322.
- 644) Chemical composition, antioxidant and anticorrosion activities of Mentha Suaveolens, Salhi A., Bouyanzer A., Chetouani A., El Ouariachi E., Zarrouk A., **Hammouti B.**, Desjobert J.M., Costa J., **J. Mater. Environ. Sci.** 8 (5) (2017) 1718-1728

- 645) The Palm oil from seed of *Phoenix dactylifera* (Oil of both Deglet Nour & Kentichi) as natural antioxidants and Environment-Friendly inhibitors on the Corrosion of mild Steel in 1M HCl, Y. El Ouadi, A. Beladjila, A. Bouyanzer, Z. Kabouche, H. Bendaif, F. Youssef, M. Berrabah, R. Touzani, A. Chetouani, **B. Hammouti**; *Mor. J. Chem.* 5 N°1 (2017) 139-152
- 646) Antioxidant activity of phenols and flavonoids contents of aqueous extract of pelargonium graveolens orgin in the north-east morocco, Y. El Ouadi, H. Bendaif, H. N. Mrabti, H. Elmsellem, Y. Kadmi, M.A. Shariati, I. Abdel-Rahman, **B. Hammouti**, A. Bouyanzer, *J Microbiol Biotech Food Sci.* 6 (5) (2017) 1218-1220
- 647) El Ouadi Y., Manssouri M., Bouyanzer A., Majidi L., Bendaif H., Elmsellem H., Shariati M.A., Melhaoui A., **Hammouti B.** (2017), Essential oil composition and antifungal activity of *Melissa officinalis* originating from north-Est Morocco, against postharvest phytopathogenic fungi in apples, *Microbial Pathogenesis*, 107, 321-326, [doi.org/10.1016/j.micpath.2017.04.004](https://doi.org/10.1016/j.micpath.2017.04.004)
- 648) Theoretical and Experimental Studies on the Corrosion Inhibition Potentials of Two Tetrakis Pyrazole Derivatives for Mild Steel in 1.0 M HCl, Y.E. Louadi, F. Abridgach, A. Bouyanzer, R. Touzani, A. El Assyry, A. Zarrouk, **B. Hammouti**; *Portugaliae Electrochimica Acta*, 35(3) (2017) 159-178
- 649) Corrosion Protection of Mild Steel in Hydrochloric Acid at 308 K using Benzimidazole Derivatives: Weight Loss, Adsorption and Quantum Chemical Studies K. Bouayad, Y. Kandri Rodi, E. H. El Ghadraoui, H. Elmsellem, Y. Ouzidan, B. El Mahi, E. M. Essassi, I. Abdel-Rahman, A. Chetouani, **B. Hammouti**, *Mor. J. Chem.* 5N°2 (2017) 285-296
- 650) Essential oil of "Foeniculumvulgare": antioxidant and corrosion inhibitor on mild steel immersed in hydrochloric medium, A. Bouoidina, M. Taleb, M. Chaouch, A. Abdellaoui, A. Lahkimi, **B. Hammouti**, F. El-Hajjaji, A Nahlé, *Anti-Corros, Mater & Meth.* 64 N°5 (2017) 563-572
- 651) The inhibitive effect of some schiff base symmetric heterocyclic compounds on the corrosion of mild steel in 1M HCl M. El Azzouzi, A. Aouniti, S. Tighadouin, A. Chetouani, S. Radi, **B. Hammouti**, A. Salhi, *Mor. J. Chem.* 5 N°2 (2017) 325-335
- 652) H. Lgaz, K. Subrahmanya Bhat, R. Salghi, Shubhalaxmi, S. Jodeh, M. Algarra, **B. Hammouti**, I. H. Ali, A. Essamri, Insights into corrosion inhibition behavior of three chalcone derivatives for mild steel in hydrochloric acid solution, *Journal of Molecular Liquids*, 238 (2017) 71-83
- 653) Ziziphus lotus as Green Inhibitor of Copper Corrosion in Natural Sea Water, R. Oukhrib, El Issami, B. El Ibrahimy, K. El Mouaden, L. Bazzi, L. Bammou, A. Chaouay, R. Salghi, S. Jodeh, **B. Hammouti**, A. Amin-Alami, *Portugaliae Electrochim. Acta*, 35(4) (2017) 187-200
- 654) Characterization of the Quality of the Polluting Load of an Industrial Zone, Merimi I., Oudda H., El Ouadi Y., El Hajjaji F. **Hammouti B.**, *Journal of Chemical and Pharmaceutical Research*, 9(4) (2017) 165-170
- 655) Thermodynamic Characterization of Metal Dissolution and Inhibitor Adsorption Processes in Mild Steel/New Bipyrazole Derivatives/Hydrochloric Acid System, Bouklah M., Karzazi Y., Kaddouri M., Belghiti M.E., Toubi Y., **Hammouti B.**, Aouniti A., Radi S. and Emran K., *Asian Journal of Chemistry*; 29, No. 8 (2017) 1827-1838
- 656) 3,5-Diaryl-4-amino-1,2,4-triazole Derivatives as Effective Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution: Correlation between Anti-corrosion Activity and Chemical Structure, M. Tourabi, A. Sahibed-dine, A. Zarrouk, I. B. Obot, **B. Hammouti**, F. Bentiss, A. Nahlé, *Protection of Metals and Physical Chemistry of Surfaces*, 53 N°3 (2017) 548–559.
- 657) Batah A., Anejjar A., Belkhaouda M., Bammou L., Salghi R., Bazzi L., **Hammouti B.**, Chetouani A. (2017), Electrochemical and thermodynamic study of the inhibitory efficacy of Methanol extracts of the Rind and Leaves of Grapefruit plant on the corrosion of carbon steel in an acidic medium, *Mor. J. Chem.* 5 N°3, 404-416
- 658) Catecholase Activites Studies of Bis-Tripodale Pyrazolyl N-Donor Ligands, With Different Copper (II) Salts, R. Boyaala, R. El Ati, F. Abridgach, M. El Kodadi, R. Touzani, **B. Hammouti**, *RJPBCS*, 8(3) (2017) 751-760.
- 659) Synthesis and Characterization of a New Cationic Surfactant Derived from 5-Chloro-1H-indole-2,3-dione In Aqueous Systems, Z. Tribak, R. Ghibate, M.K. Skalli, Y. Kandri Rodi, D. Mrani, A. Aouniti, **B. Hammouti**, O. Senhaji, *Int. Journal of Engineering Research and Application*, 7(4) (Part -1) (2017) 04-08
- 660) Corrosion inhibition potentiality of 5-nitro-1H-benzimidazol-2(3H)-one derivatives for mild steel in hydrochloric acid: Electrochemical and weight loss studies, Bouayad K., Kandri Rodi Y., Elmsellem H., El Ghadraoui E.H., Kadmi Y., Ouzidan Y., Sebbar N.K., Steli H., Essassi E.M. and **Hammouti B.**, *Der Pharma Chemica*, 9(6) (2017) 165-175
- 661) Two tripodal pyrazolic ligands: application against corrosion of mild steel in HCl 1M Y. Kaddouri, A. Takfaoui, M. Lamsayah, M. El Azzouzi, R. Boyaala, A. Chetouani, A. Zarrouk, **B. Hammouti**, R. Touzani, *Mor. J. Chem.* 5 N°3 (2017) 467-475
- 662) Adsorption and corrosion inhibition of mild steel by ((Z)-4-((2,4-dihydroxybenzylidene)amino)-5-methyl-2,4-dihydro-3H-1,2,4-triazole-3-thione) in 1 M HCl: Experimental and computational study, I. Merimi, Y. El Ouadi, K.R. Ansari, H. Oudda, **B. Hammouti**, M.A. Quraishi, F.F. Al-blewi, N. Rezki, M.R. Aouad, M. Messali, *Anal. Bioanal. Electrochem.*, 4 (2017) 640- 659
- 663) Experimental and DFT investigation on the Corrosion inhibition behavior of expired drug Lumerax on mild steel in hydrochloric acid, P. Dohare, D.S. Chauhan, **B. Hammouti**, M.A. Quraishi, *Analytical & Bioanalytical Electrochemistry*, 4(6) (2017) 762-783
- 664) (Z)-2-benzylidene-2h-1,4-benzothiazin-3(4h)-one as novel corrosion inhibitor of mild steel corrosion in different acidic media (HCl and H<sub>2</sub>SO<sub>4</sub>): experimental and quantum chemical study, N. K. Sebbar, G. Aziate, H. Elmsellem, I. Abdel-Rahman, M. Ellouz, B. El Mahi, **B. Hammouti**, Zerzouf A, S. El Hajjaji, E. M. Essassi, *J. Mar. Chim. Heterocycl.*, 16(1) (2017) 84-99
- 665) The study of the aqueous extract of leaves of *Pancreaticum Foetidum* Pom as: Characterization of polyphenols, flavonoids, antioxidant activities and Eco-friendly corrosion inhibitor, Bendaif H., Melhaoui A., Bouyanzer A., **Hammouti B.**, El Ouadi Y., *J. Mater. Environ. Sci.* 8 (12) (2017) 4475-4486.
- 666) Synthesis of Aza-Pseudopeptides and the Evaluation of their Inhibiting Efficacy of Mild Steel Corrosion in 1.0 M HCl, R. Chadli, A. ELherri, H. Elmsellem, M. Elazzouzi, N. Merad, A. Aouniti, **B. Hammouti**, J. K. Mulengi, and A. Zarrouk, *Protection of Metals and Physical Chemistry of Surfaces*, Vol. 53, No. 5 (2017) 928–936
- 667) Corrosion inhibition of carbon steel in acidic medium by Grapefruit oil extract A. Batah, M. Belkhaouda, L. Bammou, A. Anejjar, R. Salghi, A. chetouani, L. Bazzi, **B. Hammouti**, *Mor. J. Chem.* 5 N°4 (2017) 580-589
- 668) Experimental and computational studies on the inhibition performance of the organic compound "2-phenylimidazo [1,2-a]pyrimidine-3-carbaldehyde" against the corrosion of carbon steel in 1.0 M HCl solution, E. Ech-chihbi, M.E. Belghiti, R. Salim, H. Oudda, M. Taleb, N. Benchat, **B. Hammouti**, F. El-Hajjaji, *Surfaces and Interfaces*, 9 (2017) 206-217
- 669) Inhibition effect of 1,1'-(pyridine-2,6-dihylbis(methylene))bis(5- methyl-1-H-pyrazole-3-carboxylic acid) on the corrosion of mild steel in 1 M HCl. Part A: Experimental study, M. El Azzouzi, A. Aouniti, M. El-massaoudi, S. Radi, **B. Hammouti**, M.A. Quraishi, H. Bendaif and Y. El Ouadi, *Int. J. Corros. Scale Inhib.*, 6(4) (2017) 463–475
- 670) Influence of the Nature of the Anchoring Group on Electron Injection Processes at Dye-Titania Interfaces, I. Arbouch, D. Cornil, Y. Karzazi, **B. Hammouti**, R. Lazzaroni and J. Cornil, *Phys. Chem. Chem. Phys.*, 19 (2017) 29389-29401

- 671) Chemical composition, anticorrosion and antioxidant activity of clove (*Syzygium aromaticum*) oil, F. El-Hajjaji, A. Abdellaoui, M. Taleb, **B. Hammouti**, A. Zarrouk, *Journal of Natural Products*, 10 (2017) 45-57
- 672) Amino acid compounds as eco-friendly corrosion inhibitor in acidic media- Review, A. Aouniti, N. Arrousse, F. El-Hajjaji, R. Salghi, M. Taleb, S. Kertit, L. Bazzi, **B. Hammouti**, *Arab. J. Chem. Environ. Res.* 04 (2017) 18-30
- 673) Valorization of essential oil and extracts of *Artemisia herba alba* in the inhibition of corrosion and antibacterial and other effects- Review, A. Bouyanzer, M. Bouklah, A. Chetouani, L. Majidi, **B. Hammouti**, A. Aouniti, *Arab. J. Chem. Environ. Res.* 04 (2017) 31-45
- 
- 674) Bouyad K., Kandri Rodi Y., Elmsellem H., El Ghadraoui E. H., Ouzidan Y., Abdel-Rahman I., Kusuma H.S., Warad I., Mague J.T., Essassi E.M., **Hammouti B.**, Chetouani A., (2018) azo[4,5-b]pyridines as a New Class of Corrosion Inhibitors for Mild Steel: Experimental and DFT Approach, *Mor. J. Chem.* 6 N°1, 22-34
- 675) Biomimetic oxidation of catechol employing complexes formed in situ with heterocyclic ligands and different copper(II) salts, Rabab Boyaala, Rafika El Ati, M. Khoutoul, M. El Kodadi, R. Touzani, **B. Hammouti**, *J. Iran. Chem. Soc.* 15 (2018) 85-92; <https://doi.org/10.1007/s13738-017-1211-0>
- 676) Pyridinium-based ionic liquids as novel and green corrosion inhibitors of carbon steel in acid medium: Electrochemical and molecular dynamics simulation studies, F. El-Hajjaji, M. Messali, A. Aljuhani, M.R. Aouad, **B. Hammouti**, M.E. Belghiti, D.S. Chauhane, M.A. Quraishi, *Journal of Molecular Liquids*, 249 (2018) 997–1008
- 677) Effect of substituted methyl group by phenyl group in pyridazine ring on the corrosion inhibition of mild steel in 1.0 M HCl, A. Nahle, F. El Hajjaji, A Ghazoui, N. Benchat, M. Taleb, S. Rafil. Aatiaoui, M. Koudad, **B. Hammouti**, *Anti-Corros, Mater & Meth.* 65 N°1 (2018) 87-96
- 678) Adsorption and Corrosion Inhibition Effect of 2-Mercaptobenzimidazole (Surfactant) on a Carbon Steel Surface in an Acidic Medium: Experimental and Monte Carlo Simulations, F. El-Hajjaji, M.E. Belghiti, **B. Hammouti**, S. Jodeh, O. Hamed, H. Lgaz, R. Salghi, *Portugaliae Electrochimica Acta* 36(3) (2018) 197-212
- 679) New Corrosion inhibition of mild steel by 7-bromopyrido[2,3-b]pyrazine-2,3(1H, 4H)-dithiol in 1M hydrochloric acid solution, M. Sikine, Y. Kandri Rodi, A. Elyoussfi, A. Dafali, Y. Ouzidan, A. Kandri Rodi,, F. Ouazzani Chahdi, E.M.Essassi, A. Chetouani, **B. Hammouti**, H. Elmsellem, *Mor. J. Chem.* 6 N°2 (2018) 367-377
- 680) Experimental and Theoretical Studies on Inhibition of Carbon Steel Corrosion by 1,5-Diaminonaphthalene, A. Titi, N. Mechbal, A. El Guerraf, M. El Azzouzi, R. Touzani, **B. Hammouti**, I-M. Chung, H. Lgaz, *J. Bio- and Tribo-Corrosion*, 4(2) (2018) 22
- 681) El Ouadi Y., Bouyanzer A., Elmsellem H., **Hammouti B.**, Bendaif H., (2018) Comparative Study of the Antioxidant Activity of Phenols and Flavonoids Content of the Aqueous Extract of *Salvia Officinalis* and *Pelargonium Graveolens* from Northeastern Moroccan, *Eur. J. Chem. Environ. Eng. Sci.* 2(1), 1-13
- 682) Kinetic–Thermodynamic Properties of a Polyacrylamide on Corrosion Inhibition for C-Steel in 1.0 M HCl Medium: Part 2, M. Beniken, M. Driouch, M. Sfaira, **B. Hammouti**, M. Ebn Touhami, M. Mohsin, *J. Bio- and Tribo-Corrosion*, 4(3) (2018), 34
- 683) Inhibitory effect of *Acacia hamulosa* methanolic extract on the corrosion of mild steel in hydrochloric acid (1M), A. Bader, U. Shaheen, M.A.S. Aborehab, Y. El Ouadi, A. Bouyanzer, **B. Hammouti**, T. Ben Hadda, *Bull. Chem. Soc. Ethiop.* 32(2) (2018) 323-335.
- 684) Beniken, M., Driouch, M., Sfaira, M., **Hammouti, B.**, Ebn Touhami, M., Mohsin, M.A., Anticorrosion Activity of a Polyacrylamide with High Molecular Weight on C-Steel in Acidic Media: Part 1, *J. Bio- and Tribo-Corrosion*, 4(3) (2018), 38
- 685) Insights into a Green Corrosion Inhibitor for Mild Steel in 1 M HCl through Confrontation of Six Methods and Seven Adsorption Isotherms, Z. Bensouda, M. Driouch, M. Sfaira, A. Farah, M. Ebn Touhami, **B. Hammouti**, K.M. Emran, *Int. J. Electrochem. Sci.*, 13N°8 (2018) 8198-8221
- 686) Extracts of Olive Inflorescence Flower Pre-Anthesis, at Anthesis and Grain Pollen as Eco-Friendly Corrosion Inhibitor for Steel in 1M HCl Medium, D. Bouknana, **B. Hammouti**, S. Jodeh, M. Sbaa, H. Lgaz, *Anal. Bioanal. Electrochem.*, 10(6) (2018) 751-777
- 687) Towards a Deeper Understanding of the Anticorrosive Properties of Hydrazine Derivatives in Acid Medium: Experimental, DFT and MD Simulation Assessment, A. Bouoidina, F. El-Hajjaji, M. Drissi, M. Taleb, **B. Hammouti**, Ill-Min Chung, S. Jodeh, H. Lgaz, *Metallurgical and Materials Transactions A*, 10No.6 (2018) 5180-5191
- 688) Corrosion Inhibition Behavior of Indazole Derivative as a Green Corrosion Inhibitor for Mild Steel in Hydrochloric Acid: Electrochemical, Weight Loss and DFT Simulations Studies A. Zouitini, Y. Kandri Rodi, H. Elmselem Chahdi, H. Steli, C. Ad, Y. Ouzidan, E. M. Essassi, A. Chetouani, **B. Hammouti**, *Mor. J. Chem.* 6 N°3 (2018) 391-403
- 689) El Mouaden K., El Ibrahim B., Oukhrif R., Bazzi L., **Hammouti B.**, Jbara O., Tara A., Chauhan D. S., Quraishi M.A., Chitosan polymer as a green corrosion inhibitor for copper in sulfide-containing synthetic seawater, *International Journal of Biological Macromolecules*, 119 (2018) 1311-1323
- 690) Bibliographic review on the problem of corrosion and their protection by green inhibitors I. Hamdani, O. Mokhtari, L. Lamri, S. Zaoui, D. Bouknana, A. Aouniti, M. Berrabah, A. Bouyanzer, **B. Hammouti**, *Arab. J. Chem. Environ. Res.* 5 (2018) 101-123
- 691) 4-(2-(2-(2-(2-(Pyridine-4-yl)ethylthio)ethoxy)ethylthio)ethyl)pyridine as New Corrosion Inhibitor for Mild Steel in 1.0 M HCl Solution: Experimental and Theoretical Studies, A. Khadiri, A. Ousslim, K. Bekkouche, A. Aounit, I. Warad, A. Elidrissi, **B. Hammouti**, F. Bentiss, M. Bouachrine, A. Zarrouk, *Journal of Bio- and Tribo-Corrosion* 4 (2018) 64
- 692) Anticorrosion potential of new synthesized naphtamide on mild steel in hydrochloric acid solution: gravimetric, electrochemical, surface morphological, UV-Visible and theoretical investigations, A. Aouniti, M. El Azzouzi, I. Belfilali, I. K. Warad, H. Elmsellem, **B. Hammouti**, C. Jama, F. Bentiss, A. Zarrouk, *Anal. Bioanal. Electrochem.*, 10 No. 9 (2018) 1193-1210
- 693) The Synergistic Effect of Chloride Ion and 1,5-Diaminonaphthalene on the Corrosion Inhibition of Mild Steel in 0.5 M Sulfuric Acid: Experimental and Theoretical Insights, A. ElGuerraf, A. Titi, K. Cherrak, N. Mechbal, M. ElAzzouzi, R. Touzani, **B. Hammouti**, H. Lgaz, *Surf. Interfac.* 13 (2018) 168-177
- 694) Experimental, quantum chemical studies of oxazole derivatives as corrosion inhibitors on mild steel in molar hydrochloric acid medium, H. Rahmani, F. El-Hajjaji, A. El Hallaoui, M. Taleb, Z. Rais, M. El Azzouzi, B. Labriti, K. Ismaily Alaoui, **B. Hammouti**, *Int. J. Corros. Scale Inhib.*, 7(4) (2018) 509-527
- 695) Saady A, El-Hajjaji F, Taleb M, Ismaily Alaoui K, El Biache A, Mahfoud A, Alhouari G, **Hammouti B**, Chauhan DS, Quraishi MA, Experimental and theoretical tools for corrosion inhibition study of mild steel in aqueous hydrochloric acid solution by new Indanones derivatives, *Materials Discovery* 12(6) (2018) 30-42, <https://doi.org/10.1016/i.md.2018.11.001>

- 696) Salhi, A., Hamdani, I., Bouyanzer, A., Chahboun, N., Amhamdi, H., Warad, I., **Hammouti, B.**, Bentiss, F., Zarrouk, A. (2018). Phytochemical Analysis, Antioxidant and Anticorrosive Activities of Thymus Algeriensis Extracts, **Anal. Bioanal. Electrochem.**, 10, No. 12, 1587-1610
- 697) Efficiency of the Electrochemical methods for the repair of reinforced concrete structures, Mohamed El ouarti, **Belkheir Hammouti** and Ahmed Chetouani, **Arab. J. Chem. Environ. Res.** 05 (2018) 01-14
- 
- 698) Electrochemical Studies on New Pyridazinium Derivatives as Corrosion Inhibitors of Carbon Steel in Acidic Medium, El Hajjaji F., Salim R., Messali M., **Hammouti B.**, Chauhan D.S., Almutairi S.M., Quraishi M.A., **Journal of Bio- and Tribo-Corrosion** 5, Issue 1, (2019) Article number 4
- 799) Electrochemical, Quantum Calculations and Monte Carlo Simulation Studies of N1,N2-Bis(1-Phenylethylidene) Ethane-1,2-Diamine as a Corrosion Inhibitor for Carbon Steel in a 1.0 M Hydrochloric Acid Solution, F. El Hajjaji, M. E. Belghiti, M. Drissi, M. Fahim, R. Salim, **B. Hammouti**, M. Taleb, A. Nahlé, **Portugaliae Electrochimica Acta**, 37N°1 (2019) 23-42
- 700) H. Rahmani, K. Ismaili Alaoui, K.M. Emran, A. El Hallaoui, M. Taleb, S. El Hajji, B. Labriti, E. Ech-chihbi, **B. Hammouti**, F. El-Hajjaji Experimental and DFT investigation on the corrosion inhibition of mild steel by 1, 2, 3- triazole regioisomers in 1M hydrochloric acid solution, **Int. J. Electrochem. Sci.**, 14(1) (2019) 985-998
- 701) F. El-Hajjaji, I. Merimi, L. El Ouasif, M. El Ghoul, R. Achour, **B. Hammouti**, M.E. Belghiti, D.S. Chauhan, M.A. Quraishi. 1-Octyl-2-(octylthio)-1H-benzimidazole as a new and effective corrosion inhibitor for carbon steel in 1M HCl. **Portugaliae Electrochimica Acta**, 37N°3 (2019) 131-145
- 702) Towards understanding the anticorrosive mechanism of novel surfactant based on Mentha pulegium oil as eco-friendly bio-sourced of mild steel in acid medium: A combined DFT and molecular dynamics investigation, Bouoidina A., El-Hajjaji F., Emran K., Belghiti M.E., Elmelouky A., Taleb M., Abdellaoui A., **Hammouti B.**, Obot I.B., **Chemical Research in Chinese Universities**, 35N°1 (2019) 85-100
- 703) Evaluation of heavy metal concentrations in seven Commercial marine Fishes caught in the Mediterranean coast of Morocco and their associated health risks to consumers, S. Karim, A. Aouniti, M. Taleb, F. El Hajjaji, C. Belbachir, I. Rahhou, M. Achmit, **B. Hammouti**, **Journal of Environment and Biotechnology Research**, 8 (1) (2019) 1-13, DOI: 10.5281/zenodo.2529361
- 704) 3,6-Di(pyridin-2-yl) pyridazine derivatives as original and new corrosion inhibitors in support of mild steel: Experimental studies and DFT investigational, M. Filali, E.M. El Hadrami, A. Ben-tama, B. Hafez, I. Abdel-Rahman, A. Harrach, H. Elmsellem, **B. Hammouti**, M. Mokhtari, SE. Stiriba, M. Julve, **Int J Corros Scale Inhib**, 1(2019)93-109 <https://doi:10.17675/2305-6894-2019-8-1-9>
- 705) Corrosion inhibition studies of new synthesized 1,4-dioctyl-6-methyl-1,4-dihydroquinoxaline-2,3-dione on mild steel in 1.0 M HCl solution using gravimetric and electrochemical techniques supported by theoretical DFT calculations, A. Zoutini, Y. Kandri Rodi, Y. Ouzidan, F. Ouazzani Chahdi, M. Mokhtari, I. Abdel-Rahman, E.M. Essassi, A. Aouniti, **B. Hammouti**, H. Elmsellem, **Int. J. Corros. Scale Inhib.**, 2 (2019) 225-240 <https://doi:10.17675/2305-6894-2019-8-2-5>
- 706) Elmsellem H., El Ouadi Y., Mokhtari M., Bendaif H., Steli H., Aouniti A., Almehti A.M., Abdel-Rahman I., Kusuma H.S., **Hammouti B.** (2019), A natural antioxidant and an environmentally friendly inhibitor of mild steel corrosion: a commercial oil of basil (ocimum basilicum l.), **Journal of Chemical Technology and Metallurgy**, 54, 4, 742-749
- 707) A phytotoxic impact of phenolic compounds in olive oil mill wastewater on Fenugreek "Trigonella foenum-graecum", D. Bouknanana; S. Jodeh, M. Sbaa; **B. Hammouti**; M. Arabi; A. Darmous; M. slamini; K. Haboubi, **Environmental Monitoring and Assessment**, 191(6) (2019) 405
- 708) Influence of Phenolic Compounds on Antioxidant and Anticorrosion Activities of Ammi visnaga Extracts Obtained Ultrasonically in Three Solvent Systems, S. Aourabi, M. Driouch, M. Sfaira, F. Mahjoubi, **B. Hammouti**, K.M. Emran, **Int. J. Electrochem. Sci.**, 14(7) (2019) 6376-6393
- 709) Experimental and quantum studies of newly synthesized pyridazinium derivatives on mild steel in hydrochloric acid medium, F. El-Hajjaji, I. Merimi, M. Messali, R.J. Obaid, R. Salim, M. Taleb, **B. Hammouti**, **Mater. Today Proceed.**, 13(Part 3) (2019) 822-831,
- 710) Improving corrosion inhibition potentials using two triazole derivatives for mild steel in acidic medium: Experimental and theoretical studies I. Merimi, Y. EL Ouadi, R. Benkaddour, H. Lgaz, M. Messali, F. Jeffali, **B. Hammouti**, **Mater. Today Proceed.**, 13(Part 3) (2019) 920-930,
- 711) Insights into corrosion inhibition behavior of a triazole derivative for mild steel in hydrochloric acid solution, I. Merimi, R. Benkaddour, H. Lgaz, N. Rezki, M. Messali, F. Jeffali, H. Oudda, **B. Hammouti**, **Mater. Today Proceed.**, 13(Part 3) (2019) 1008-1022
- 712) Studies of Catecholase Activities of N-donor Bidentates Ligands derivated from Benzoxazole with Copper (II) Salts A. Benzai, F. Derridj, R. El Ati, M. El Kodadi, R. Touzani, A. Aouniti, **B. Hammouti**, T. Ben Hadda, H. Doucet, **Mor. J. Chem.** 7 N°2 (2019) 401-409
- 713) Extraction, Characterization and Anticorrosion Potential of an Essential Oil from Orange Zest as Eco-friendly Inhibitor for Mild Steel in Acidic Solution, Z. Bensouda, E.H. El Assiri, M. Sfaira, M. Ebn Touhami, A. Farah, **B. Hammouti**, **Journal of Bio- and Tribo-Corrosion** 5 (2019) 84, <https://doi.org/10.1007/s40735-019-0276-y>
- 714) Total phenolic content, antioxidant and antimicrobial activities of extracts from Pistacia lentiscus, A. Salhi, R. Bellaouchi, S. El Barkany, Y. Rokni, A. Bouyanzer, A. Asehraou, H. Amhamdi, A. Zarrouk, **B. Hammouti**, **Caspian J. Environ. Sci.** 17(3) (2019) 189-198
- 715) Anticorrosive efficiency of novel 1,4-benzothiazinone derivative for M-steel in phosphoric acid solution, A. El-khlifi, M. Saadouni, R. Ijoub, Y. El Aoufir, S. Boukhriss, **B. Hammouti**, M. Ouhssine, **Int. J. Corros. Scale Inhib.**, 8(3) (2019) 659–672
- 716) 6-Nitro-1,4-di(prop-2-yn-1-yl)quinoxaline-2,3(1H,4H)-dione (NQPr) – a novel corrosion inhibitor for mild steel in hydrochloric acid environment, A. El Janati, Y. Kandri Rodi, M. Mokhtari, I. Abdel-Rahman, I. Alaoui, F. Ouazzani Chahdi, Y. Ouzidan, H. Steli, H. Elmsellem and **B. Hammouti**, **Int. J. Corros. Scale Inhib.**, 8(3) (2019) 702–716
- 717) Jabri M., Lakrat M., Mejdoubi E., Hammouti B., Demnati H., Asehraou A., Synthesis and Antibacterial Study of New Microporous Zinc Phosphate Bioceramics **Mor. J. Chem.** 7 N°4 (2019) 739-747
- 718) **Hammouti B.**, Dahmani M., Yahyi A., Ettouhami A., Messali M., Asehraou A., Bouyanzer A., Warad I., Touzani R., Black Pepper, the "King of Spices": Chemical composition to applications, **Arab. J. Chem. Environ. Res.** 06 (2019) 12-56
- 719) Congratulations to Professors John B Goodenough, M Stanley Whittingham and Akira Yoshino awarded the Nobel Prize in Chemistry 2019 for work on lithium-ion batteries, D. Mazouzi, **B. Hammouti**, **J. Mater. Environ. Sci.** 10(12) (2019) 1194-1199

- 720) Synthesis of novel  $\text{Cl}_2\text{Co}_4\text{L}_6$  cluster using 1-hydroxymethyl-3,5-dimethylpyrazole (LH) ligand: Crystal structure, spectral, thermal, Hirschfeld surface analysis and catalytic oxidation evaluation, A. Titi, M. Messali, I. Warad, O. Hiroshi, **B Hammouti**, R. Touzani, **Journal of Molecular Structure**, 1199 (2020) 126995; <https://doi.org/10.1016/j.molstruc.2019.126995>
- 721) Belghiti M.E., Bouazama S., Echihi S., Mahsoun A., Elmelouky A., Dafali A., Emran K.E., **Hammouti B.**, Tabyaoui M. (2020), Understanding the Adsorption of newly Benzylidene-aniline derivatives as a Corrosion Inhibitor for Carbon steel in Hydrochloric acid solution: Experimental, DFT and Molecular Dynamic Simulation Studies, **Arab. J. Chem.** 3(1), 1499-1519 <https://doi.org/10.1016/j.arabjc.2017.12.003>
- 722) Synthesis and comparative study between two pyrazoles in inhibition against the corrosion of steel in 1 M hydrochloric acid, R. Chadli, M. Elazouzi, I. Khelladi, A.M. Elhorri, J. Kajima Mulangi, **B. Hammouti**, A. Aouniti, **Portugaliae Electrochimica Acta** 38(2) (2020) 125-138
- 723) The Environmental Management System and its application impacts on the business economy in the eastern region of Morocco, B. Zakia Mdehheb, B. Elkihel, M. Bouamama, **B. Hammouti** and F. Delaunois, **Caspian J. Environ. Sci.** 18(1) (2020) 13-20
- 724) Reactivity and Fe complexation analysis of a series of quinoxaline derivatives used as steel corrosion inhibitors, Z. El Adnani, M. Mcharfi, M. Sfaira, M. Benzakour, A. T. Benjelloun, **B. Hammouti**, K. M. Emran, **Structural Chemistry** 31 (2020) 631–645, <https://doi.org/10.1007/s11224-019-01435-5>
- 725) DFT theoretical study of 5-(4-R-phenyl)-1H-tetrazole (R=H; OCH<sub>3</sub>; CH<sub>3</sub>; Cl) as corrosion inhibitors for mild steel in hydrochloric acid, A.A. EL Hassani, Z. El Adnani, A.T. Benjelloun, M. Sfaira, M. Benzakour, M. Mcharfi, **B. Hammouti**, K.M. Emran, **Metals and Materials International**, 26(11) (2020) 1725–1733, <https://doi.org/10.1007/s12540-019-00381-5>
- 726) Inhibition of tinplate corrosion in 0.5 M  $\text{H}_2\text{C}_2\text{O}_4$  medium by Mentha pulegium essential oil, A. Boumezzourh, M. Ouknin, E. Chibane, J. Costa, A. Bouyanzer, **B. Hammouti**, L. Majidi, **Int. J. Corros. Scale Inhib.**, 9(1) (2020) 152-170
- 727) G. Fekkar, F. Yousfi, H. Elmsellem, M. Aiboudi, M. Ramdani, I. Abdel-Rahman, **B. Hammouti**, L. Bouyazza, Eco-friendly Chamaerops humilis L. fruit extract corrosion inhibitor for mild steel in 1 M HCl, **Int. J. Corros. Scale Inhib.**, 2020, 9(2), 446-459, <https://doi.org/10.17675/2305-6894-2020-9-2-4>
- 728) Touzani R., **Hammouti B.**, Almalki F.A., Ben Hadda T. (2020) Coronavirus, Covid19, Covid-19 and SARS-Cov-2: A Global Pandemic, A Short Review, **J. Mater. Environ. Sci.**, 11(4), 736-750
- 729) New strategy of synthesis, characterization, theoretical study and inhibition effect on mild steel corrosion in acidic solution, N. Arrousse, E. Mabrouk, **B. Hammouti**, F. El Hajjaji, Z. Rais, M. Taleb, **Mediterr. J. Chem.** 10(5) (2020) 477-491, <http://dx.doi.org/10.13171/mjc10502005151417feh>
- 730) N. Arrousse, E. Mabrouk, **B. Hammouti**, F. El Hajjaji, Z. Rais, M. Taleb, Synthesis, characterization, anti-corrosion behavior and theoretical study of the new organic dye: 3-oxo-3Hspiro[isobenzofuran-1,9'-xanthene]-3',6'-diylbis(3-methylbenzenesulfonate), **Int. J. Corros. Scale Inhib.**, 9(2) (2020) 661–687
- 731) Electrochemical sensor in situ control of acidity level of concentrated HCl solutions, **B. Hammouti**, A. Benayada, **Mor. J. Chem.** 8(3) (2020) 573-580; <https://doi.org/10.48317/IMIST.PRSM/morjchem-v8i3.21024>
- 732) Investigation of spread of novel coronavirus (Covid-19) pandemic in Morocco & estimated confinement duration to overcome the danger phase, H. Bendaif, **B. Hammouti**, I. Stiane, Y. Bendaif, M.A. El Ouadi, Y. El Ouadi, **Caspian J. Environ. Sci.** 18(1) (2020) 149-156
- 733) Nitrates in the groundwater of the Triffa plain Eastern Morocco, R. Benkaddour, I. Merimi, T. Szumiata, B. Hammouti, **Materials Today: Proceedings**, 27(Part 4) (2020) 3171-3174
- 734) M. Bouklah, W. Daoudi, **B. Hammouti**, R. Touzani, S. Radi, M. Ramdani, A. Bouyanzer, A. Aouniti R. Salghi Inhibitor adsorption processes in mild steel/new bipyrazole derivatives/hydrochloric acid system, **Materials Today: Proceedings**, 27, Part 4 (2020) 3209-3216
- 735) N. Arrousse, E. Mabrouk, R. Salim, K. Ismaili alaoui, F. El Hajjaji, Z. Rais, M. Taleb, **B. Hammouti**, Fluorescein as commercial and environmentally friendly inhibitor against corrosion of mild steel in molar hydrochloric acid medium, **Materials Today: Proceedings**, 27, Part 4 (2020) 3184-3192
- 736) Bazzi, I. El Mouaden K., Chaouay A., Ait Addi A., Hamdani M., El Issami S., Hilali M., **Hammouti B.**, Abbiche K., Salghi R. (2020), Monitoring heavy metal contamination levels and microbiological pollution in seawater of Agadir coastal zones, **Indonesian Journal of Science & Technology** 5 (3), 463-469
- 737) Novel phenethylimidazolium based ionic liquids: Design, microwave synthesis, in-silico, modeling and biological evaluation studies, A. Titi, S. M. Almutairi, A. F. Alrefaei, S. Manoharadas, B. A. Alqurashy, P. K. Sahu, **B. Hammouti**, R. Touzani, M. Messali, I. Ali, **Journal of Molecular Liquids** 315 (2020) 113778, <https://doi.org/10.1016/j.molstruc.2019.126995>
- 738) Metal-NHC heterocycle complexes in catalysis and biological applications: Systematic review, M. Jalal, **B. Hammouti**, R. Touzani, A. Aouniti, I. Ozdemir, **Materials Today: Proceedings**, 31(S1) (2020) S122-S129
- 739) Accreditation of tests on building and road painting materials while mastering the quality aspect according to ISO17025, C. Merimi, **B. Hammouti**, K. Zaidi, T. Szumiata, **Materials Today: Proceedings**, 31(S1) (2020) S56-S60
- 740) S. Aourabi, M. Driouch, M. Kadiri, F. Mahjoubi, M. Sfaira, B; **Hammouti**, K. M. Emran, Valorization of Zea mays hairs waste extracts for antioxidant and anticorrosive activity of mild steel in 1 M HCl environment, **Arabian Journal of Chemistry**, 13(9) (2020) 7183-7198, <https://doi.org/10.1016/j.arabjc.2020.08.001>
- 741) A. Boulouiz, I. Hajji, Y. Kaddouri, K. Zaidi, R. Touzani, **B. Hammouti**, Synthesis of two new pyrazole-based ligands for the liquid–solid extraction of heavy metals Pb, Cd and Cu in the aqueous medium, **Materials Today: Proceedings**, 31(S1) (2020) S190-S195
- 742) I. Merimi, R. Touzani, A. Aouniti, A. Chetouani, **B. Hammouti**, Pyrazole derivatives efficient organic inhibitors for corrosion in aggressive media: A comprehensive review, **Int. J. Corros. Scale Inhib.**, 9(4) (2020) 1237-1260 [doi:10.17675/2305-6894-2020-9-4-4](https://doi.org/10.17675/2305-6894-2020-9-4-4)
- 743) Effect of substitution on corrosion inhibition properties of three Imidazole derivatives on mild steel in 1M HCl, M. Bouklah, H. Elmsellem, O. Krim, G. Serdaroğlu, **B. Hammouti**, A. Elidrissi, S. Kaya, I. Warad, **Arab. J. Chem. Environ. Res.** 07 (2020) 126-143
- 744) Understanding Corrosion Inhibition of C38 Steel in HCl Media by Omeprazole: Insights for Experimental and Computational Studies, K. Hossam, F. Bouhlal, L. Hermouche, I. Merimi, H. Labjar, A. Chaouiki, N. Labjar, M. Serghini-Idrissi, A. Dahrouch, M. Chellouli, **B. Hammouti** & S. El Hajjaji, **Journal of Failure Analysis and Prevention**, 21 (2021) 213-227; <https://doi.org/10.1007/s11668-020-01042-1>

- 745) Anti-Corrosive Properties and Quantum Chemical Studies of (Benzoxazol) Derivatives on Mild Steel in HCl (1 M), A. Benzai, F. Derridj, O. Mouadili, M. El Azzouzi, M. Kaddouri, K. Cherrak, R. Touzani, A. Aouniti, **B. Hammouti**, R. Elatki and H. Doucet, **Portug. Electrochim. Acta**, 39 N°2 (2021) 135-153, <https://doi.org/10.4152/pea.202102135>
- 746) Y. Kaddouri, F. Abrigach, El B. Yousfi, **B. Hammouti**, M. El Kodadi, A. Alsalmé, N. Al-Zaqri, I. Warad and R. Touzani, New Heterocyclic Compounds: Synthesis, Antioxidant Activity and computational Insights of Nano-Antioxidant as Ascorbate Peroxidase Inhibitor by Various Cyclodextrin as Drug Delivery Systems, **Current Drug Delivery** 18(3) (2021) 334-349. <https://doi.org/10.2174/1567201817999201001205627>
- 747) Titi A., Oshio H., Touzani R., Messali M., Zarrouk A., **Hammouti B.**, Al-Zaqri N., Alsalmé A., Warad I. (2020), Synthesis and XRD of Novel Ni<sub>4</sub>(μ<sub>3</sub>-O)<sub>4</sub> Twist Cubane Cluster Using Three NNO Mixed Ligands: Hirshfeld, Spectral, Thermal and Oxidation Properties. **J Clust Sci** 32(2), 227-234. <https://doi.org/10.1007/s10876-020-01780-0>
- 748) S. Aourabi, M. Driouch, M. Sfaira, F. Mahjoubi, **B. Hammouti**, C. Verma, Eno E. Ebenso, L. Guo, Phenolic fraction of Ammi visnaga extract as environmentally friendly antioxidant and corrosion inhibitor for mild steel in acidic medium, **Journal of Molecular Liquids**, 323 (2021) 114950. <https://doi.org/10.1016/j.molliq.2020.114950>
- 749) Corrosion of copper alloys in KOH, NaOH, NaCl, and HCl electrolyte solutions and its impact to the mechanical properties, I. Hamidah, A. Solehudin, A. Hamdani, L. Hasanah, K. Khairurrijal, T. Kurniawan, R. Mamat, R. Maryanti, A. B. D. Nanandiyanto, **B Hammouti**, **Alexandria Engineering Journal** 60(2) (2021) 2235-2243
- 750) Adsorption and inhibition mechanism of (Z)-4-((4-methoxybenzylidene)amino)-5-methyl-2,4-dihydro-3H-1,2,4-triazole-3-thione on carbon steel corrosion in HCl: Experimental and theoretical insights, I. Merimi; R. Aslam; **B. Hammouti**; T. Szumiata; H. Lgaz, Ill-M. Chung, **Journal of Molecular Structure**, 1231 (2021) 129901 <https://doi.org/10.1016/j.molstruc.2021.129901>
- 751) Errich A., Azzaoui K., Mejdoubi E., **Hammouti B.**, Abidi N., Akartasse N., Benidire L., EL Hajjaji S., Sabbahi R., Lamhamdi A. (2021), Toxic heavy metals removal using a hydroxyapatite and hydroxyethyl cellulose modified with a new Gum Arabic, **Indonesian Journal of Science & Technology** 6(1), 41-64
- 752) Novel triazole derivatives as ecological corrosion inhibitors for mild steel in 1.0 M HCl: experimental & theoretical approach, A. Nahle, R. Salim, F. El Hajjaji, M. R. Aouad, M. Messali, E. Ech-chihbi, **B. Hammouti**, M. Taleb, **RSC Adv.**, 11 (2021) 4147–4162, <https://doi.org/10.1039/d0ra09679b>
- 753) Origanum compactum essential oil as a green inhibitor for mild steel in 1 M hydrochloric acid solution: Experimental and Monte Carlo simulation studies, J. Lazrak, El H. El Assiri, N. Arrousse, F. El-Hajjaji, M. Taleb, Z. Rais, A. Farah, A. Ramzi, **B. Hammouti**, **Materials Today: Proceedings**, 45(8) (2021) 7486-7493; <https://doi.org/10.1016/j.matpr.2021.02.233>
- 754) A new mixed pyrazole-diamine/Ni(II) complex, Crystal structure, physicochemical, thermal and antibacterial investigation, A. Titi, S. M. Almutairi, R. Touzani, M. Messali, M. Tillard, **B. Hammouti**, M. ElKodadi, D. Eddike, A. Zarrouk, I. Warad, **Journal of Molecular Structure**, 331 (2021) 130304, <https://doi.org/10.1016/j.molstruc.2021.130304>
- 755) N. Mechbal, M. Bouhrim, M. Bnouham, **B. Hammouti**, Y. Karzazi, S. Kaya, G. Serdaroğlu, Anticorrosive and antioxidant effect of the aqueous extract of the leaves, flowers, and stems of Cistus monspeliensis L: Experimental and computational study, **Journal of Molecular Liquids**, 331, 2021, 115771, ISSN 0167-7322, <https://doi.org/10.1016/j.molliq.2021.115771>
- 756) Synthesis, characterization, and evaluation of xanthene derivative as highly effective, nontoxic corrosion inhibitor for mild steel immersed in 1 M HCl solution, N. Arrousse, R. Salim, A. Abdellaoui, F. ElHajjaji, **B. Hammouti**, E.H. Mabrouk, W.A. Diño, M. Taleb, **Journal of the Taiwan Institute of Chemical Engineers**, 120 (2021) 344-359
- 757) Diagnostic study of the olive oil industry in the Eastern region of Morocco, Boukna D., Serghini Caid H., **Hammouti B.**, Rmili R., Hamdani I., **Materials Today: Proceedings**, 45(8) (2021) 7782-7788; <https://doi.org/10.1016/j.matpr.2021.03.563>
- 758) Study of dependence between two types of most abundant natural clays in Bejaad province (Central Morocco) using a statistical approach A. Ainane, M. Taleb, F. El-Hajjaji, **B. Hammouti**, A. Chetouani, T. Ainane, **Mor. J. Chem.** 9(2) (2021) 210-220, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v9i2.22438>
- 759) Biological and pharmaceutical properties of essential oils of Rosmarinus officinalis L. and Lavandula officinalis L., K. Diass, F. Brahmi, O. Mokhtari, S. Abdellaoui, B. Hammouti, **Materials Today: Proceedings**, 45(8) (2021) 7768-7773. <https://doi.org/10.1016/j.matpr.2021.03.495>
- 760) An Assessment of The Efficacy of Pheromone Traps in Managing the Red Palm Weevil, R. Sabbahi, K. Azzaoui, B. Hammouti, **Indonesian Journal of Science & Technology** 6(2) (2021) 371-384
- 761) Physicochemical characterization of wastewater from the Al-Hoceima slaughterhouse in Morocco, A. El Abdouni; S. Bouhout; I. Merimi; **B. Hammouti**; K. Haboubi, **Caspian J. Environ. Sci.** 19(3) (2021) 423-429
- 762) Statistical optimization of amorphous iron phosphate: inorganic sol-gel synthesis- sodium potential insertion, Fz. Maarouf; S. Saoiabi; K. Azzaoui; C. Chrika; H. Khalil; S. Elkaoui; S. Lhimr; O. Boubker; **B. Hammouti**, S. Jodeh, **BMC Chemistry**, 15 (2021) 48 (16 pages) <https://doi.org/10.1186/s13065-021-00774-x>
- 763) An insight on the corrosion inhibition of mild steel in aggressive medium by henna extract, Serbout J., Touzani R., Bouklah M. and **Hammouti B.**, **Int. J. Corros. Scale Inhib.**, 10(3) (2021) 1042–1068
- 764) Nasri H., Abdellaoui S., Omari A., Kada O., Chafi A., **Hammouti B.**, Chaabane K. (2021), Length-weight relationship and condition factor of Trachurus trachurus found in the central-east region of the Moroccan Mediterranean, **Indonesian Journal of Science & Technology** 6(3), 457-468
- 765) Experimental, Quantum Chemical and Monte Carlo Simulation Studies on the Corrosion Inhibition of Mild Steel by Three New Schiff Base Derivatives, A. Nahlé, M. El Azzouzi, A. Aouniti, F. Abrigach, A. Djedouani, F. Benhiba, R. Touzani, I. Warad, I.B. Obot, A. Zarrouk, **B. Hammouti**, **Port. Electrochim. Acta** 39(5) (2021) 293-321 <https://doi.org/10.4152/pea.2021390501>
- 766) Cellulose Powder Functionalized with Phenyl biguanide: Synthesis, Cross-linking, Metal Adsorption, and Molecular Docking, O. Hamed, M. Qaisi, I. Abushqair, A. Berisha, O. Dagdag, A. Janem, K. Azzaoui, R. Al-Kerm, R. Al-Kerm, **B. Hammouti**, **BioResources** 16(4) (2021) 7263-7282. <https://doi.org/10.15376/biores.16.4.7263-7282>
- 767) Kankou M. S.A., N'diaye A. D., **Hammouti B.**, Kaya S. and Fekhaoui M. (2021) Ultrasound-assisted adsorption of Methyl Parathion using commercial Granular Activated Carbon from aqueous solution, **Mor. J. Chem.** 9(4), 832-842
- 768) **B. Hammouti**, Ferrocene: reference electrode realisation in acidic media and sensor to the measure of acid concentration, **J. Appl. Sci. Envir. Stud.** 4(4) (2021) 567-573
- 769) Improvement of the mechanical and thermal properties of concrete based on lightened aggregates, Y. Hmidani, R. Elmrabet, R. Mariouch, R. Tourir, **B. Hammouti**, M. Chahboune, M.S. Elyoubi. A. Chetouani, **Mor. J. Chem.** 9 N°4 (2021) 857-874

- 770) Adsorption behavior and corrosion inhibition mechanism of a polyacrylamide on C–steel in 0.5 M H<sub>2</sub>SO<sub>4</sub>: Electrochemical assessments and molecular dynamic simulation, E. Ech-Chihbi, M. Beniken, R. Salim, M. Sfaira, **B. Hammouti**, M. Ebn Touhami, M.A. Mohsin, M. Taleb, **Journal of Molecular Liquids**, 348 (2022) 118022, [doi.org/10.1016/j.molliq.2021.118022](https://doi.org/10.1016/j.molliq.2021.118022)
- 771) Study of the Catecholase Activity of new catalysts Based on Copper (II) and Heterocyclic Ligands, R. El Ati, H. Bouammali, M. El Kodadi, E.B. Yousfi, R. Touzani, **B. Hammouti**, **Indonesian Journal of Science & Technology** 7(1) (2022) 1-18
- 772) El Azzouzi M., Azzaoui K., Warad I., Hammouti B., Shityakov S., Sabbahi R., Saoiabi S., Youssofi M.H., Akartasse N., Jodeh S., Lamhamdi A., Zarrouk A. (2022), Moroccan, Mauritania, and Senegalese gum Arabic variants as green corrosion inhibitors for mild steel in HCl: Weight loss, Electrochemical, AFM and XPS studies, **Journal of Molecular Liquids**, 347, 118354, <https://doi.org/10.1016/j.molliq.2021.118354>
- 773) Materials and sustainable development El-Hajjaji, F., Abdel-Daim, M., **Hammouti, B.**, Taleb, M. **Environmental Science and Pollution Research**, 2022, 29(1), pp. 68–69
- 774) Kadda, S., Belabed, A., Loukili, E.H., **B. Hammouti**, S. Fadlaoui, Temperature and extraction methods effects on yields, fatty acids, and tocopherols of prickly pear (*Opuntia ficus-indica* L.) seed oil of eastern region of Morocco. **Environ Sci Pollut Res** 29 (2022) 158-166. <https://doi.org/10.1007/s11356-021-16752-8>
- 775) A. Benahmed, K. Azzaoui, A. EL Idrissi, **Hammouti B.**, Said Omar Said Hassane, R. Touzani, L. Rhazi, Cellulose acetate-g-polycaprolactone copolymerization using diisocyanate intermediates and the effect of polymer chain length on surface, thermal, and antibacterial properties, **Molecules**, 27(4) (2022) 1408; <https://doi.org/10.3390/molecules27041408>
- 776) N. Bouroumane, M. El Kodadi, R. Touzani, M. El Boutaybi, Ad. Oussaid, **B. Hammouti**, A.B.D. Nandiyanto, New Pyrazole-Based Ligands: Synthesis, Characterization, and Catalytic Activity of Their Copper Complexes, **Arabian Journal for Science and Engineering**, 47(2) (2022) 269-279 <https://doi.org/10.1007/s13369-021-05343-x>
- 777) A.B.D. Nandiyanto, R. Ragadhita, A. Ana, **B. Hammouti**, Effect of Starch, Lipid, and Protein Components in Flour on the Physical and Mechanical Properties of Indonesian Biji Ketapang Cookies, **International Journal of Technology**, 13(2) (2022) 432-443; <https://doi.org/10.14716/ijtech.v13i2.5208>
- 778) Akartasse, N., Azzaoui, K., Mejdoubi, E., G. Hanbali, L. L. Elansari, S. Jodeh, **B. Hammouti**, W. Jodeh & A. Lamhamdi. Study and Optimization of the Synthesis of Apatitic Nanoparticles by the Dissolution/Precipitation Method. **Arab. J. Sci. Eng.**, 47(6) (2022) 7035-7051. <https://doi.org/10.1007/s13369-021-06283-2>
- 779) A. Radi, B. El Mahi, A. Aouniti, M. El Massoudi, S. Radi, M. Kaddouri, T. Chelfi, A. Jmiai, A. El Asri, **B. Hammouti**, I. Warad, A. Guenbour, A. Zarrouk, Mitigation effect of novel bipyrazole ligand and its copper complex on the corrosion behavior of steel in HCl: Combined experimental and computational studies, **Chemical Physics Letters**, 795 (2022) 139532
- 780) El Hammari L., Latifi S., Saoiabi S., Saoiabi A., Azzaoui K., **Hammouti B.**, Chetouani A., Sabbahi R. (2022), Toxic heavy metals removal from river water using a porous phospho-calcic hydroxyapatite, **Mor. J. Chem.** 10(1), 62-72, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v10i1.31752>
- 781) I. Merimi, A. Bitari, Y. Kaddouri, N. Rezki, M. Mohamed, R. Touzani and **B. Hammouti**, Metal corrosion inhibition by triazoles: A review, **Int. J. Corros. Scale Inhib.**, 11, no. 2 (2022) 524-540 doi: [10.17675/2305-6894-2022-11-2-4](https://doi.org/10.17675/2305-6894-2022-11-2-4)
- 782) Y. Kaddouri, R. Benabbes, S. Ouahhoud, M. Abdellattif, **B. Hammouti**, R. Touzani, An insight into all tested small molecules against *Fusarium oxysporum* f. sp. *Albedinis*: a comparative review, **Molecules**, 27(9) (2022) 2698; <https://doi.org/10.3390/molecules27092698>
- 783) N Arrousse, R Salim, FZ Bousraf, E Ech-chihbi, **B Hammouti**, A Abdellaoui, F. El Hajjaji & M. Taleb, Experimental and theoretical study of xanthene derivatives as corrosion inhibitor for mild steel in hydrochloric acid solution, **Journal of Applied Electrochemistry**, 52(8) (2022) 1275–1294, <https://doi.org/10.1007/s10800-022-01705-x>
- 784) F.-E. Maarouf, S. Saoiabi, K. Azzaoui, H. Khalil, M. Khalil, A. El Yahyaoui, A. Saoiabi, **B. Hammouti**, M. H. Youssofi, S. Shityakov, O. Hamed, S. Jodeh, R. Sabbahi, Amorphous Iron Phosphate: Inorganic Sol-Gel Synthesis-Sodium and Potassium Insertion, **Indonesian Journal of Science & Technology** 7(2) (2022) 187-202
- 785) Akartasse N., Azzaoui K., Mejdoubi E., **Hammouti B.**, Elansari L.L., Abou-salama M., Aaddouz M., Sabbahi R., Rhazi L. and Siaj M. (2022), Environmental-Friendly Adsorbent Composite Based on Hydroxyapatite/Hydroxypropyl Methyl-Cellulose for Removal of Cationic Dyes from an Aqueous Solution, **Polymers**, 14(11), 2147; <https://doi.org/10.3390/polym14112147>
- 786) Atemni I., Mehdaoui I., Ainane A., Gaga Y., Chetouani A., **Hammouti B.**, Taleb M., Rais Z. (2022), Impact of composts prepared from olive waste on the growth and production parameters of some fruit trees, **Mor. J. Chem.** 10 N°2, 258-268
- 787) S. Jerdioui, L.L. Elansari, N. Jaradat, S. Jodeh, K. Azzaoui, **B. Hammouti**, M. Lakrat, A. Tahani, C. Jama, F. Bentiss, Effects of gallic acid on the nanocrystalline hydroxyapatite formation using the neutralization process, **Journal of Trace Elements and Minerals**, 2 (2022) 100009, <https://doi.org/10.1016/j.jtemin.2022.100009>
- 788) Solanum Alkaloids and Their Corrosion Inhibition applications: A Short Review, J. Serbout, A. Bitari, R. Touzani, M. Bouklah and **B. Hammouti**, **Arabian Journal of Medicinal Aromatic Plants**, 8(2) (2022) 151-165.
- 789) M. El batrioui, K. Haboubi, A. Chetouani, **B. Hammouti**, A. B. D. Nandiyanto, Phytochemical study of four leaves extracts of *Chamaerops humilis* L. from the region of Al-Hoceima, Morocco, **Mor. J. Chem.** 10N°4 (2022) 851-860, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v10i4.34513>
- 790) Sabbahi R., Azzaoui K., **Hammouti B.**, Saoiabi S. (2022), A global Perspective of Entomopathogens as Microbial Biocontrol Agents of Insect Pests, **Journal of Agriculture and Food Research** 10, 100376. <https://doi.org/10.1016/j.jafr.2022.100376>
- 791) Alaqarbeh M., Al-hadidi L., **Hammouti B.**, Bouachrine M. (2022), Water pollutions: sources and human health impact. A mini-review, **Mor. J. Chem.** 10 N°4, 891-900, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v10i4.34497>
- 792) Alpha-linoleic acid (ALA) as a corrosion inhibitor for XC48 steel in H<sub>2</sub>SO<sub>4</sub> medium: an experimental and computational study C. Merimi, K. Zaidi, **B. Hammouti**, L. Guo, S. Kaya, H. Elmsellem, A. Aouniti, M. Bouklah, R. Touzani, **Int. J. Corros. Scale Inhib.**, 11, no. 4 (2022) 1456–1482 doi: <https://dx.doi.org/10.17675/2305-6894-2022-11-4-3>
- 793) Akartasse N., Azzaoui K., Mejdoubi E., Elansari L. L., Hammouti B., Siaj M., Jodeh S., Hanbali G., Hamed R., Rhazi L., Chitosan-Hydroxyapatite Bio-Based Composite in film form: synthesis and application in Wastewater, **Polymers**, 14(20) (2022) 4265, <https://doi.org/10.3390/polym14204265>
- 794) Laaroussi H., Aouniti A., Hafez B., Mokhtari O., Sheikh R.A., Hamdani I., Rahhou I., Loukili El H., Belbachir C., **Hammouti B.**, Elmsellem H., (2022) Argan leaves aqueous extract's antioxidant and mild steel corrosion inhibition ability, **Int. J. Corros. Scale Inhib.**, 11, no. 4, 1539–1556

- 795) Saidi, N.; Azzaoui, K.; Ramdani, M.; Mejdoubi, E.; Jaradat, N.; Jodeh, S.; **Hammouti, B.**; Sabbahi, R.; Lamhamdi, A. Design of Nanohydroxyapatite/Pectin Composite from *Opuntia Ficus-Indica* Cladodes for the Management of Microbial Infections. **Polymers**, 14 (2022) 14, 4446. <https://doi.org/10.3390/polym14204446>
- 796) Loukili E.H., Bouchal B., Bouhrim M., Abrigach F., Genva M., Zidi K., Bnouham M., Bellaoui M., **Hammouti B.**, Addi M., Ramdani M., Fauconnier M-L. (2022), Chemical Composition, Antibacterial, Antifungal and Antidiabetic Activities of Ethanolic extracts of *Opuntia dillenii* Fruits Collected from Morocco, **Journal of Food Quality**, 2022, Article ID 9471239, <https://doi.org/10.1155/2022/9471239>
- 797) Boutaybi, M.E.; Titi, A.; Alzahrani, A.Y.A.; Bahari, Z.; Tillard, M.; Hammouti, B.; Touzani, R. Aerial Oxidation of Phenol/Catechol in the Presence of Catalytic Amounts of [(Cl)<sub>2</sub>Mn(RCOOET)], RCOOET= Ethyl-5-Methyl-1-(((6-methyl-3-nitropyridin-2-yl)amino)methyl)-1*H*-pyrazole-3-carboxylate. **Catalysts**, 2022, 12, 1642. <https://doi.org/10.3390/catal12121642>
- 798) Laaroussi H., Aouniti A., Mokhtari O., Hafez B., Sheikh R. A., Sameeh M. Y., Khowdiary M. M., Alderhami S. A., Elhenawy A. A., El Azzouzi M., Rahhou I., Chaouki B., **Hammouti B.**, Ben Hadda T., Elmsellem H. (2022), Experimental and theoretical investigations for the extraction of *Argania spinosa*'s on the antioxidant activity and mild steel corrosion's inhibition in 1M HCl, **Applied Sciences**, 12(24), 12641; <https://doi.org/10.3390/app122412641>
- 799) Azzaoui K., Barboucha M., **Hammouti B.**, Touzani R., Nanotechnology: History and Various Applications, a Mini Review, **EHEI J. Sci. Technol.** 02(01) (2022) 22-33
- 800) Demba N'diaye A., **Hammouti B.**, Nandiyanto A. B. D., Al Husaeni D. F., A review of biomaterial as an adsorbent: From the bibliometric literature review, the definition of dyes and adsorbent, the adsorption phenomena and isotherm models, factors affecting the adsorption process, to the use of *Typha* species waste as a low-cost adsorbent, **Communications in Science and Technology**, 7 No.1 (2022) 140-153
- 801) Aouniti A., Chetouani A., Kertit S., **Hammouti B.**, Salghi R., Bazzi L., Methionine derivatives as green corrosion inhibitors: Review, **EHEI J. Sci. Technol.** 02(2) (2022) 78-87
- 802) Loukili H., Azzaoui K., Bouyanzer A., Kertit S., **Hammouti B.**, Corrosion Inhibition using Green Inhibitors: An Overview, **Maghr. J. Pure & Appl. Sci.** 02(2) (2022) 82-93, <https://doi.org/10.48383/IMIST.PRSM/mjpas-v8i1.29392>
- 
- 803) R. Sabbahi, M. H. Yousseoufi, K. Azzaoui, **B. Hammouti**, A. Chetouani, S. Saoiabi, H. Zgou, Computational POM and DFT Evaluation of Phycocyanin and its Derivatives as a Potential Anticancer Agent, **Mater. Today Proc.**, 72(Part 7) (2023) 3669-3676, <https://doi.org/10.1016/j.matpr.2022.08.535>
- 804) C. Merimi, **B. Hammouti**, K. Zaidi, H. Elmsellem, R. Touzani, Comparative study of inhibitory efficacy of drug (Acetaminophen) in 1M HCl medium applied to carbon and mild steels, **Mater. Today Proc.**, 72(Part 7) (2023) 3890-3895
- 805) Diass K., Oualdi I., Dalli M., Azizi S.-Ed, Mohamed M., Gseyra N., Touzani R., **Hammouti B.** (2023) Artemisia herba alba Essential Oil: GC/MS analysis, antioxidant activities with molecular docking on S protein of SARS-CoV-2, **Indonesian Journal of Science & Technology** 8(1), 1-18, <https://doi.org/10.17509/ijost.v8i1.50737>
- 806) Haddou S., Loukili E.H., Hbika A., Chahine A., **Hammouti B.** (2023), Phytochemical study using HPLC-UV/GC-MS of different of *Cannabis sativa* L seeds extracts from Morocco, **Mater. Today Proc.**, 72(Part7), 3896-3903, [doi.org/10.1016/j.matpr.2022.10.215](https://doi.org/10.1016/j.matpr.2022.10.215)
- 807) A. Titi, K. Zaidi, A. Y. A. Alzahrani, M. El Kodadi, E B. Yousfi, A. Moliterni, **B. Hammouti**, R. Touzani, New in-situ catalysts based on nitro functional pyrazole derivatives and Copper (II) salts for promoting the oxidation of catechol to o-quinone, **Catalysts**, 13(1), 162 (2023); <https://doi.org/10.3390/catal13010162>
- 808) M. Jafari, D.B. Nowak, S. Huang, J.C. Abrego, T. Yu, Z. Du, D. Ma, **B. Hammouti**, F. Jeffali, M. Siaj, Photo-induced force microscopy applied to electronic devices and biosensors, **Mater. Today Proc.**, 72(Part7) (2023) 3904-3910, [doi.org/10.1016/j.matpr.2022.10.216](https://doi.org/10.1016/j.matpr.2022.10.216)
- 809) R. Touzani, **B. Hammouti**, M. Eddaoudi, Fifth international conference on materials and environmental science: Role of new materials in sustainable development, **Mater. Today Proc.**, 72(Part7) (2023) 3940-3942, [doi.org/10.1016/j.matpr.2022.11.368](https://doi.org/10.1016/j.matpr.2022.11.368)
- 810) N. Hamdaoui, Y. Rokni, A. Asehraou, M. Mouncif, Z. Mennane, A. Omari, A. Sellam, **B. Hammouti**, M. Meziane, Technological Aptitude and Sensitivity of Lactic Acid Bacteria *Leuconostoc* Isolated from Raw Milk of Cows: From Step-by-Step Experimental Procedure to the Results, **Indonesian Journal of Science & Technology** 8(2) (2023) 157-170
- 811) C. Merimi, **B. Hammouti**, K. Zaidi, B. Hafez, H. Elmsellem, S. Kaya, Acetylsalicylic acid as an environmentally friendly corrosion inhibitor for carbon steel XC48 in 1M HCl electrolyte, **Journal of Molecular Structure**, 1278 (2023) 134883; <https://doi.org/10.1016/j.molstruc.2022.134883>
- 812) Youssefi Y., Oucheikh L., Ou-ani O., Jabha M., Oubair A., Znini M., Hammouti **B.** (2023) Synthesis, Characterization and Corrosion Inhibition Potential of Olefin Derivatives for Carbon Steel in 1M HCl: Electrochemical and DFT Investigations, **Mor. J. Chem.**, 14(1), 155-187. <https://doi.org/10.48317/IMIST.PRSM/morjchem-v11i1.37306>
- 813) Tabaght FE., Azzaoui K., El Idrissi A., Jodeh S., Khalaf B., Rhazi L., Bellaouchi R., Asehraou A., **Hammouti B.**, Sabbahi R., Synthesis, characterization, and biodegradation studies of new cellulose-based polymers, **Scientific reports**, 13 (2023) 1673, <https://doi.org/10.1038/s41598-023-28298-5>
- 814) Hbika A.; A Bouyanzer; M Jalal; N Setti; E Loukili; A Aouniti; Y Kerroum; I Warad; B Hammouti; Abdelkader Zarrouk, The Inhibiting Effect of Aqueous Extracts of *Artemisia Absinthium* L. (Wormwood) on the Corrosion of Mild Steel in HCl 1 M, **Analytical & Bioanalytical Electrochemistry**, 15(1) (2023) 17-35; <https://doi.org/10.22034/abec.2023.701392>
- 815) Salahat, A.; Hamed, O.; Deghle, A.; Azzaoui, K.; Qrareya, H.; Assali, M.; Mansour, W.; Jodeh, S.; Haciosmanoğlu, G.G.; Can, Z.S.; **Hammouti, B.**; Nandiyanto, A.B.D.; Ayerdi-Gotor, A.; Rhazi, L. Olive Industry Solid Waste-Based Biosorbent: Synthesis and Application in Wastewater Purification. **Polymers**, 2023, 15, 797. <https://doi.org/10.3390/polym15040797>
- 816) Elafia Z., Messous Y.M., **Hammouti B.**, Cherkaoui M. (2023) Synthesis and characterization of Mn/Ce-Doped TiO<sub>2</sub>: Investigation of structural and optical properties, **Mor. J. Chem.**, 14(2), 350-359. [doi.org/10.48317/IMIST.PRSM/morjchem-v11i2.35078](https://doi.org/10.48317/IMIST.PRSM/morjchem-v11i2.35078)
- 817) Zaidi K., Merimi C., Daoudi W., Dagdag O., Berisha A., Aouniti A., Oussaid A., Touzani R., Messali M., **Hammouti B.**, Comparative study of inhibitory efficacy of methionine and its derivatives in acidic medium by mild steel, **Mor. J. Chem.**, 14(2), 411-433. <https://doi.org/10.48317/IMIST.PRSM/morjchem-v11i2.38246>
- 818) El Hammari L., Hamed R., Khalil A., Jodeh S., Latifi S., Saoiabi S., Boukra O., Krime A., Boukra A., Saoiabi A., **Hammouti B.**, Khan M. M., Sabbahi R., Hanbali G. and Berisha A., Taleb M., Dagdag O., Optimization of the Adsorption of Lead (II) by Hydroxyapatite using a Factorial Design: DFT and Molecular Dynamic, **Frontiers in Environmental Science**, 11 (2023) 1112019., [doi: 10.3389/fenvs.2023.1112019](https://doi.org/10.3389/fenvs.2023.1112019)



- 819) Youssefi Y., Ansari A., Ou-ani O., Oucheikh L., Oubair A., Lgaz H., **Hammouti B.**, Chaoui A., Y.G., Znini M. (2023), 2-isoxazoline- $\gamma$ -lactones for carbon steel in acidic medium: Linking molecular-and experimental-level information with microscopic-scale modeling, **Lubricants**, 11(3), 141; <https://doi.org/10.3390/lubricants11030141>
- 820) Zaidi K., Bouroumane N., Merimi C., Aouiniti A., Touzani R., Oussaid A., **Hammouti B.**, Salim R., Kaya S., Ibrahim S. M. (2023). Iron-ligand complex, an efficient inhibitor of steel corrosion in hydrochloric acid media, **Journal of Molecular Structure**, 1284, 135434, <https://doi.org/10.1016/j.molstruc.2023.135434>
- 821) Abu Rub H., Deghles A., Hamed O., Azzaoui K., **Hammouti B.**, Taleb M., Berisha A. Dagdag, O., Mansour, W. Haciosmanoğlu, G.G., Can, Z.S., Rhazi, L. (2023). Cellulose based polyurethane with amino acid functionality: Design, synthesis, computational study and application in wastewater purification, **International Journal of Biological Macromolecules**, 239, 124328, <https://doi.org/10.1016/j.ijbiomac.2023.124328>
- 822) Diass K., Merzouki M., El Fazazi K., Azzouzi H., Challioui A., Azzaoui K., **Hammouti B.**, Touzani R., Depeint F., Ayerdi-Gotor A., Larbi Rhazi L. (2023). Essential oil of *Lavandula officinalis*: Chemical composition and antibacterial activities, **Plants**, 12, 1571. <https://doi.org/10.3390/plants12071571>
- 823) Bouroumane N., El Boutaybi M., El Kodadi M., Touzani R., Oussaid Ad, Hammouti B. & Abboud M. (2023). Synthesis of new heterocyclic ligands and study of the catecholase activity of catalysts based on copper(II). **Reac. Kinet. Mech. Cat.** 136(3), 1545–1562, <https://doi.org/10.1007/s11144-023-02370-7>
- 824) Lrhoul H., Turki H., **Hammouti B.** (2023), Benammar O., Internationalization of the Moroccan Journal of Chemistry: A bibliometric study, **Heliyon**, 9(5), e15857, ISSN 2405-8440, <https://doi.org/10.1016/j.heliyon.2023.e15857>
- 825) Aaddouz M., Azzaoui K., Akartasse N., Mejdoubi E., **Hammouti B.**, Taleb M., Sabbahi R., Alshahateet S.F. (2023). Removal of Methylene Blue from aqueous solution by adsorption onto hydroxyapatite nanoparticles, **Journal of Molecular Structure**, 1288, 135807, <https://doi.org/10.1016/j.molstruc.2023.135807>
- 826) Sabbahi R., Azzaoui K., Rhazi L., Ayerdi-Gotor A., Aussenac T., Depeint F., Taleb M., **Hammouti B.** (2023). Factors Affecting the Quality of Canola Grains and Their Implications for Grain-Based Foods, **Foods**, 12, 2219. [doi.org/10.3390/foods12112219](https://doi.org/10.3390/foods12112219)
- 827) **Hammouti B.**, K. Azzaoui, R. Sabbahi, R. Touzani (2023). Scientific Research: Publication and Visibility of Institutes and Countries in Relation to Development, **Afr. J. Manag. Engin. Technol.**, 1(1), 1
- 828) Lrhoul H., Sekkal H. & **Hammouti B.** (2023) Natural Plants as Corrosion Inhibitors: Thermodynamic's restrictions, **Mor. J. Chem.**, 14(3), 689-698, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v11i3.40144>
- 829) Ouahabi, S.; Loukili, E.H.; Elbouzidi, A.; Taibi, M.; Bouislamti, M.; Nafidi, H-A.; Salamatullah, A.M.; Saidi, N.; Bellaouchi, R.; Addi, M.; Ramdani M., Bourhia M. and **Hammouti B.**, Pharmacological Properties of Chemically Characterized Extracts from Mastic Tree: In vitro and in silico assays. **Life** 2023, 12, 1393; <https://doi.org/10.3390/life13061393>
- 830) Ouahabi S., Loukili E.H., Daoudi N.E., Chebaibi M., Ramdani M., Rahhou I., Bnouham M., Fauconnier M-L., **Hammouti B.**, Rhazi L., Gotor A.A., Dépeint F., Ramdani M. (2023) Study of the Phytochemical Composition, Antioxidant Properties, and In vitro Anti-diabetic Efficacy of *Gracilaria bursa-pastoris* Extracts, **Marine Drugs**, 21(7), 372; [doi.org/10.3390/md21070372](https://doi.org/10.3390/md21070372)
- 831) Mousa O.I., Al-Luaibi S.S., Al-Mubarak A. S., Lgaz H., **Hammouti B.**, Chaoui A., Ko Y. G. (2023), On the development of an intelligent poly(aniline-co-o-toluidine)/Fe<sub>3</sub>O<sub>4</sub>/alkyd coating for corrosion protection of carbon steel **Appl. Sci.**, 13(14), 8189; <https://doi.org/10.3390/app13148189>
- 832) Editorial, **Hammouti, B.** (2023) **Handbook of Research on Corrosion Sciences and Engineering** pp. xxv-xxvi, SBN 978-166847690-1, 978-166847689-5 DOI:10.4018/978-1-6684-7689-5
- 833) Boutebib A.B., N'diaye A.D., Elhoumed S.A.B., M'Baye B.K., El Hadj Ali Y.A., **Hammouti B.**, Semega B.M. (2023) Assessment of Iron Contamination in Groundwater of Catchment Area Water, **Indonesian Journal of Science & Technology** 8(3), 429-438
- 834) Choukri S., Bouigua H., Choukri N., **Hammouti B.**, Yassine Mouniane Y., Abdessamad Ettouil A., Rokni Y., Ouhssine M. (2023), Characterization, acidifying and antibacterial activity of lactic acid bacteria against spoilage strains present in chicken meat, **ASEAN Journal of Science and Engineering**, 3(3), 321-332
- 835) Haddou S., Mounime K., Loukili E. H., Ou-yahia D., Hbika A., Yahyaoui Idrissi M., Legssyer A., Lgaz H., Asehraou A., Touzani R., **Hammouti B.**, Chahine A. (2023) Investigating the Biological Activities of Moroccan Cannabis Sativa L Seed Extracts: Antimicrobial, Anti-inflammatory, and Antioxidant Effects with Molecular Docking Analysis, **Mor. J. Chem.**, 11(4), 1116-1136
- 836) Chetouani M., Chetouani R., Loukili E., **Hammouti B.** (2023). The qualitative and quantitative study of *Rosmarinus officinalis* essential oils under the effect of water stress at the juvenile and adult stages in greenhouse, **J. Mater. Environ. Sci.**, 14(8), 967-977
- 837) Zriouel W., Bentis A., Majid S., **Hammouti B.**, Gmouh S. (2023), The Blue Tansy essential oil as eco-friendly corrosion inhibitor of the mild steel in 1 M HCl solution: Electrochemical study, DFTB computation and Monte Carlo simulation, **Int. J. Corros. Scale Inhib.**, 12, no. 3, 1136–1161
- 838) Zriouel W., Bentis A., Majid S., **Hammouti B.**, Gmouh S., Umoren S.A., Umoren P.S. (2023) The Blue Tansy essential oil: Petra/Osiris/Molinspiration (POM) analyses and prediction of its corrosion inhibition performance based on chemical composition, **Sustainability** 15(19), 14274; <https://doi.org/10.3390/su151914274>
- 839) Zriouel W., Bentis A., Majid S., **Hammouti B.**, Gmouh S. (2023) Computational study and predictive investigation of the inhibitory behavior of Geranium essential oil: DFT calculation, Monte Carlo simulation and POM analysis, **European Chemical Bulletin**, 12(12), 2978-3002, doi: [10.48047/ecb/2023.12.12.2022023.04/10/2023](https://doi.org/10.48047/ecb/2023.12.12.2022023.04/10/2023)
- 840) Faris A., Edder Y., Louchachha I., Ait Lahcen I., Azzaoui K., **Hammouti B.**, Merzouki M., Challioui A., Boualy B., Karim A., Hanbali G., Jodeh S. (2023) From Himachalenes to trans-Himachalol: Unveiling Bioactivity through Hemisynthesis and Molecular Docking Analysis, **Scientific reports**, 13, 17653. <https://doi.org/10.1038/s41598-023-44652-z>
- 841) Boumezzourh A., Ouknin M., Dabbous-Wach A., **Hammouti B.**, Costa J., Majidi L., (2023) Acetylcholinesterase, Tyrosinase,  $\alpha$ -Glucosidase inhibition of *Ammodaucus leucotrichus* Coss. & Dur. Fruits Essential oil and Ethanolic Extract, **Mor. J. Chem.**, 11(4), 1287-1298
- 842) Azzaoui K., Jodeh S., Mejdoubi E., **Hammouti B.**, Taleb M., Ennabety G., Berisha A., Aaddouz M., Youssouf M.H., Shityakov S., Sabbahi R., Algarra M. (2023) Synthesis of hydroxyapatite /polyethylene glycol 6000 composites by novel dissolution/precipitation method: Optimization of the Adsorption Process using a Factorial Design: DFT and Molecular Dynamic. **BCM Chemistry**, 17(1),150. doi: [10.1186/s13065-023-01061-7](https://doi.org/10.1186/s13065-023-01061-7).
- 843) Choukri S., **Hammouti B.**, Mansouri F., Choukri N. E., Sabbahi R., Ouhssine M. (2023), Improving the Quality and Safety of Barley by Controlled Homolactic Fermentation with Lactic Acid Bacteria, **Pakistan Journal of Analytical and Environmental Chemistry, PJAEC**, 24(2), 197-207

- 844) Errich A., El Hajjaji S., Fekhaoui M., **Hammouti B.**, Azzaoui K., Lamhamdi A., Jodeh S. (2023) Seawater intrusion and nitrate contamination in the Fum Al Wad coastal plain (south of Morocco), **Journal of Earth Science**, 34, 1940–1950. <https://doi.org/10.1007/s12583-021-1529-5>
- 845) Khojastehnezhad, A., Rhili, K., Shehab, M., Gamraoui, H., Peng, Z., ElDouhaibi S. A., Touzani, R., **Hammouti, B.**, El-Kaderi, H., Siaj, M. (2023) Rapid, mild and catalytic Synthesis of 2D and 3D COFs with Promising Supercapacitor Applications" **ACS Applied Energy Materials**, 6, 24, 12216–12225, <https://doi.org/10.1021/acsaem.3c01913>
- 846) Hamdaoui N., Azghar A., Benkirane C., Bouamali H., Mohamed M., Ou-yahia D., El Guerrouj B., Asehrou A., Maleeb A., **Hammouti B.**, Alkowni R., Jodeh S., Meziane M. (2023) Probiotic properties, antioxidant potential, bile salts tolerance and antibiotic susceptibility assessment of *Streptococcus thermophilus* isolates, **Palestinian Medical and Pharmaceutical Journal**, 9(3), x-xx
- 847) Elachouri, M., Ouasti I., Serbout J., Touzani R., Hammouti B., Chaachouay N. & Bussmann R. W. (2023). *Juniperus communis* L., *Juniperus oxycedrus* L. Juncaceae. In: Bussmann, R.W., Elachouri, M., Kikvidze, Z. (eds) *Ethnobotany of Northern Africa and Levant. Ethnobotany of Mountain Regions*. Springer, Cham. [https://doi.org/10.1007/978-3-031-13933-8\\_130-1](https://doi.org/10.1007/978-3-031-13933-8_130-1)
- 848) El Mouaden K., Bazzi L, **Hammouti B.** (2023) Biocorrosion and its inhibition studies in seawater environment: A review, **Afr. J. Manag. Engg. Technol.**, 1(2), 128-134
- 849) Merzouki, M., Bekkouch, A., Alkowni, R., Bourassi, L., Abidi, R., Bouammali, B., Hammouti, B., Azzaoui, K., Jodeh, S., & Challioui, A. (2023). Flavone Derivatives as Potential Inhibitors of SARS-Cov-2rdrp through Computational Studies. *Journal of Biochemical Technology*, 14(4), 74-82. <https://doi.org/10.51847/Bo9tanDZ4G>
- 
- 850) Toubi Y., Hakmaoui Y., EL Ajlaoui R., Abridach F., Zahri D., Radi S., Rakib E. M., Lgaz H., **Hammouti B.** (2024) Unexpected Efficient One-Pot Synthesis, DFT Calculations, and Docking study of new 4-hydroxy-2H-chromen-2-one Derivatives predicted to target SARS-CoV-2 spike protein., **J. Molecular Structure**, 2024, 136789, [doi.org/10.1016/j.molstruc.2023.136789](https://doi.org/10.1016/j.molstruc.2023.136789)
- 851) Jerdioui S., Elansari L.L., Bouammali H., Azzaoui K., Sabbahi R., **Hammouti B.**, Mejdoubi M. (2024) Effect of calcium/phosphorus ratio on the chemical and structural properties of oxygenated apatite synthesized by neutralization, **Mor. J. Chem.**, 12(1), 145-15
- 852) Azzaoui K., Aaddouz A., Akartase N., Mejdoubi E., Jodeh S., **Hammouti B.**, Taleb M., Essehli S., Berisha A., Rhazi L., Lamhamdi A., Hanbali G., Algarra M., Dagdag O. (2024), Synthesis of  $\beta$ -Tricalcium phosphate/ PEG 6000 composite by novel dissolution/ precipitation method: Optimization of the Adsorption Process using a Factorial Design: DFT and Molecular Dynamic, **Arabian Journal for Science and Engineering**, 49(1), pp. 711-732, <https://doi.org/10.1007/s13369-023-08390-8>
- 853) Laita M., **Hammouti B.**, Sabbahi R., Messaoudi Z., Benkirane R. (2024) Effect of Water Regime and Soil Maintenance Mode on Vegetative Growth and Peach Tree Production, **Indonesian Journal of Science & Technology**, 9(1), 33-44
- 854) Laita M., Sabbahi R., Elbouzidi A., **Hammouti B.**, Messaoudi Z., Benkirane R., Aithaddou H. (2024) Effects of Sustained Deficit Irrigation on Vegetative Growth and Yield of Plum Trees Under the Semi-Arid Conditions: Experiments and Review with Bibliometric Analysis, **ASEAN Journal of Science and Engineering**, 4(2), 167-190
- 855) Aaddouz, M.; Azzaoui, K.; Sabbahi, R.; Youssoufi, M.H.; Yahyaoui, M.I.; Asehrou, A.; El Miz, M.; **Hammouti, B.**; Shityakov, S.; Siaj, M.; et al. Cheminformatics-Based Design and Synthesis of Hydroxyapatite/Collagen Nanocomposites for Biomedical Applications. **Polymers**, 2024, 16, 85. <https://doi.org/10.3390/polym160100>
- 856) Bouammali, H., Zraibi, L., Ziani, I., Merzouki, M., Bourassi, L., Fraj, E., Challioui, A., Azzaoui, K., Sabbahi, R., **Hammouti, B.**, et al. Rosemary as a Potential Source of Natural Antioxidants and Anticancer Agents: A Molecular Docking Study. **Plants**, 2024, 13, 89. <https://doi.org/10.3390/plants13010089>
- 857) Haddou, S.; Elrherabi, A.; Loukili, E.H.; Abdnim, R.; Hbika, A.; Bouhrim, M.; Al Kamaly, O.; Saleh, A.; Shahat, A.A.; Bnouham, M.; et al. Chemical Analysis of the Antihyperglycemic, and Pancreatic  $\alpha$ -Amylase, Lipase, and Intestinal  $\alpha$ -Glucosidase Inhibitory Activities of Cannabis sativa L. Seed Extracts. **Molecules**, 2024, 29, 93. <https://doi.org/10.3390/molecules29010093>
- 858) S. Roudani, R. Er raqioui, R. Maallah, R. El Ajlaoui, A. Chtaini, S. Abouricha, E.M. Rakib and **B. Hammouti B.** (2024) Elaboration and electrochemical characterization of new fused heterocyclic systems as organic electrodes, **Int. J. Corros. Scale Inhib.**, 13, no.1, 82-93 [doi: 10.17675/2305-6894-2024-13-1-5](https://doi.org/10.17675/2305-6894-2024-13-1-5)
- 859) Laita, M., Sabbahi, R., Azzaoui, K., **Hammouti, B.**, Nasri, H., Messaoudi, Z., Benkirane, R., & Aithaddou, H. (2024). Optimizing water use and crop yield with deficit irrigation techniques: A comprehensive overview and case study from Morocco. **Multidisciplinary Reviews**, 7 Issue 4 (2024), e2024074 <https://www.malque.pub/ojs/index.php/mr/article/view/1981>
- 860) Bitari A., Touzani R., **Hammouti B.**, Legssyer A., Presentation and study of the manuscript entitled "The Sign of Happiness in Habitual Foods by Doctor Abu Al-Hasan Ali Ibn Hassan Al-Marakshi" **An-Najah University Journal for Research - B (Humanities)**, Vol
- 861) A. El-khlifi, F. Z. Zouhair, M. R. Al-Hadeethi, H. Lgaz, H-S. Lee, **R. Salghi, B. Hammouti**, H. Erramli (2024) Assessment of Hydrazone Derivatives for Enhanced Steel Corrosion Resistance in 15 wt.% HCl Environments: A Dual Experimental and Theoretical, **Molecules**, 29, 985. <https://doi.org/10.3390/molecules29050985>, **IF 4.6**
- 862) **Salim R.**, Adardour M., Ettahiri W., **Ech-chihbi E.**, **Hammouti B.**, Azam M., Kim Min, Baouid A., Taleb M. (2024), Computational and electrochemistry of effective triazolyl-benzimidazolone inhibitors in aggressive environment, **Sustainable Materials and Technologies**, e00862, ISSN 2214-9937, <https://doi.org/10.1016/j.susmat.2024.e00862> **IF9.2**
- 863) Alshahateet S.F., Altarawneh R.M., Al-Tawarh W.M., Al-Trawneh S.A., Al-Taweel S., **Azzaoui K.**, Merzouki M., **Sabbahi R.**, **Hammouti B.**, Hanbali G., Jodeh S. (2024), Catalytic green synthesis of Tin(IV)Oxide nanoparticles for phenolic compounds removal and molecular docking with EGFR Tyrosine Kinase **Scientific reports**, Accepted **IF 4.6**
- 864) Bouammali H., Abridach F., Jerdioui S., El-Haitout B., Aouniti A., Touzani R., **Hammouti B.** and Salghi R. (2024) Effect of the addition of two pyrazole derivatives on behavior of the corrosion of mild steel in a 1 M HCl medium using experimental and theoretical insights, **Int. J. Corros. Scale Inhib.**, 13, no. 1, 367-396 [doi: 10.17675/2305-6894-2024-13-1-19](https://doi.org/10.17675/2305-6894-2024-13-1-19)
- 865) Abbaoui Z., Merzouki M., Oualdi I., Bitari A., Oussaid A., Challioui A., Touzani R., **Hammouti B.**, Diño W.A. (2024), Alzheimer's disease: In silico study of rosemery diterpenes activities, **Current Research in Toxicology**, 2024, 100159, ISSN 2666-027X, <https://doi.org/10.1016/j.crttox.2024.100159>
- 866) Bouammali H., **Loukili E.H.**, Elmsellem H., Jerdioui S., Bekkouch K., Aouniti A., Salghi R., Jama C., Bentiss F., **Hammouti B.** (2024) Potential anticorrosive effect of hexamethylenediamine Penta (methylphosphonic) acid on c-steel in hydrochloric acid Solution: An experimental study with DFTB and molecular dynamics simulations, **Mor. J. Chem.**, 12(2), 830-853, <https://doi.org/10.48317/IMIST.PRSM/morjchem-v12i2.47169>,

- 867) 851)** El Miz M., Loutou M., Aaddouz M., Tahani A., Mejdoubi E., Jodeh S., Azzaoui K. & Hammouti B. (2024) Thermal release of Thymol encapsulated into sodium, organic and pillared modified clay matrixes, **Chemical Papers**, 78, 1585–1599, <https://doi.org/10.1007/s11696-023-03186-4>
- 868)** Alshahateet, S.F., Altarawneh, R.M., Al-Tawarh, W.M., A. Al-Trawneh, S. Al-Taweel, K. Azzaoui, M. Merzouki, R. Sabbahi, B. Hammouti, G. Hanbali & S. Jodeh S. (2024) Catalytic green synthesis of Tin(IV) oxide nanoparticles for phenolic compounds removal and molecular docking with EGFR tyrosine kinase. **Sci. Rep.** 14, 6519. <https://doi.org/10.1038/s41598-024-55460-4>
- 869)** E
- 870)** E
- 871)** E

### **Moroccan Patents (Brevets Marocains)**

- 1- Inhibition of iron corrosion in hydrochloric solution by 3(5)-carbomethoxy-5(3)-methylpyrazole et 1,3-bis(3'-carbomethoxy-5'-methyl-1'-pyrazolyl)propane, A. Aouniti, **B. Hammouti**, M. Brighli, S. Kertit, F. Berhili, S. Elkadiri, A. Ramdani, **Moroccan Patent N° 23920 (1994)**.
- 2- L-Methionine methyl ester hydrochlorure as corrosion inhibitor of pure iron in HCl media, **B. Hammouti**, A. Aouniti, M. Brighli et S. Kertit, **Moroccan Patent N° 23411 (1994)**.
- 3- Inhibition of iron corrosion in hydrochloric solution by le 1-phenyl-5-mercapto-1,2,3,4-tetrazole, **B. Hammouti**, A. Aouniti, M. Brighli et S. Kertit, **Brevet marocain N° 23410 (1994)**
- 4- Tertiobutoxycarbonyl L-Phenylalanine L- Methionine methyl ester hydrochlorure (BPMM) as corrosion inhibitor of pure iron in hydrochloric acid solution, M. Taleb, **B. Hammouti**, M. Brighli et S. Kertit, **Moroccan Patent N° 23178 (1994)**.
- 5- Bgugaine (Bg) as excellent inhibitor of iron corrosion in HCl solution, S. Kertit, **B. Hammouti** et A. Melhaoui, **Moroccan Patent N° 23175 (1995)**.
- 6- Tertiobutoxycarbonyl L-Tyrosine Glycine Glycine L-Phenylalanine L- Methionine methyl ester hydrochlorure (BTGGPMM) as corrosion inhibitor of pure iron in hydrochloric acid solution, M. Taleb, **B. Hammouti**, M. Brighli et S. Kertit, **Moroccan Patent N° 23176 (1994)**.
- 7- Ciment de comblement osseux ou dentaire. Procédé de préparation et application (Bone cement or dental filling. Preparation process and application), M. Mejdoubi, L. Elansari, M. Elgadi, A. Essadek, EB. Abbaoui, **B. Hammouti**, **Moroccan Patent N° 26729 (2002)**.
- 8- Huile essentielle de l'armoise as green corrosion inhibitor of tinplate in hydrochloric acid solution L. Bammou, R. Salghi, LH. Bazzi, L. Bazzi, **B. Hammouti**, **Moroccan Patent N° MA33391 B1 (2012)**.
- 9- Dispositif du procédé électrochimique de dépollution des eaux usées agricoles par voie électrochimique : cas de la cyperméthrine, Bouya H. ; M. Errami ; R. Salghi ; A. Chakir ; A. Zarrouk ; **B. Hammouti**, **Moroccan Patent CN102849878 (2014)**.
- 10- Extrait de chenopodium ambrosioides comme inhibiteur écologique de l'acier C38 dans le milieu acide chlorhydrique, M. Belkhaouda, L. Bammou, R. Salghi, A. Zarrouk, **B. Hammouti**, **Moroccan Patent MA36567B1 (2016)**.

**Referee in:** Corrosion Science; Materials Chemistry and Physics; Applied Surface Science; Pigments & Resin technology; Chemical Engineering Communications; Surface and Coating Technology; Physical Chemical News; Portugaliae Electrochimica Acta; Material Letters; Electrochimica Acta; Green Chemistry Letters and Reviews; Journal of Hazardous Materials; Journal of Alloys and Compounds...

**Supervising:** Prof Hammouti supervised directly or indirectly more than 70 doctorates

#### **Editorial Board member**

- 1/ Member of the American Chemical Society (ACS)
- 2/ Member of International Editorial Board of International Journal of Corrosion and Scale Inhibition : <http://ijcsi.pro/>
- 3/ Member of the Editorial Board of Physical Chemical News
- 4/ Member of the Editorial Board of Arabian Journal of Chemistry.
- 5/ Member of the Editorial Board of The Open Corrosion Journal <http://www.bentham.org/open/tocorrj/EBM.htm>
- 6/ Member of the Editorial Board of Oriental Journal of Chemistry.
- 7/ Member of the Editorial Board of E-Journal of Chemistry. [www.ejchem.org](http://www.ejchem.org)
- 8/ Member of the Editorial Board of Mediterranean Journal of Chemistry; [www.medjchem.com](http://www.medjchem.com)
- 9/ Invited Member at the 2010 Pittsburg Conference on Analytical Chemistry & Applied Spectroscopy (PITTCON) in Orlando, Florida from February 28 to March 5, 2010.

#### **Chairman of :**

- ICMES2024:** 7<sup>th</sup> International Conference on Materials and Environmental Science, June 6-9 2024, Saidia, Morocco  
<http://www.mocedes.org/icmes2024>
- ICMES2023:** 6<sup>th</sup> International Conference on Materials and Environmental Science, June 2023, Saidia, Morocco  
<http://www.mocedes.org/icmes2023>
- ICMES2022:** 5<sup>th</sup> International Conference on Materials and Environmental Science, 9-12 June 2022, Saidia, Morocco  
<http://www.mocedes.org/icmes2022>
- ICMES2020:** 4<sup>th</sup> International Conference on Materials and Environmental Science, 1-3 Oct 2020, Morocco  
<http://www.mocedes.org/icmes2020/>
- ICMES2019:** 3<sup>rd</sup> International Conference on Materials and Environmental Science, 18-20 Dec 2019, Agadir, Morocco  
<http://www.ensa-agadir.ac.ma/icmes/>
- ICMES2018:** 2<sup>nd</sup> International Conference on Materials and Environmental Science, 26-28 April 2018, Saidia, Maroc  
<http://www.mocedes.org/icmes2018/>
- RNE'09 :** 9<sup>ème</sup> Rencontre Nationale d'Electrochimie, 11-12 May 2017, Iberostar, Saidia, Maroc : <http://www.mocedes.org/rne09>
- ICMES2016:** 1st International Conference on Materials and Environmental Science 1-3 Dec 2016, Campus du Savoir, UMP, Oujda,
- COMPOLA 2016 :** Troisième Colloque « Combustion et Pollution Atmosphérique » à Saidia du 12-15 Avril 2016  
<http://compola2016.sciencesconf.org/>