

Lahcene Larabi

PERSONAL DETAILS

745, cité Habak, Tlemcen Algeria
Tel: (213) 43 38 10 18
Mobile: 213 771 56 28 83
Date of Birth: 12/05/55
Nationality: Algerian
Email: .larabi_lahcene@yahoo.fr

EDUCATION

<i>June 2004</i>	University of Tlemcen Doctorat d'état ès sciences Ph.D degree – Applied chemistry
<i>Sept. 1983-june 1986</i>	Ecole Centrale (High School) – Paris - France engineer doctor in metallurgy (Corrosion)
<i>Sept.1982-june1983</i>	University of Paris VI Master in Metallurgy (DEA)
<i>Sept.1974-June1979</i>	University of Annaba- Algérie Diploma of Engineer in metallurgy
<i>Sept. 1967 – June1974</i>	Lycée (secondary school) Dr Benzerdjeb –Tlemcen-Algerie Baccaraureat (School Leaving Certificate)

EMPLOYMENT

<i>Feb1980 – June 1982</i>	University of Tlemcen_ Algeria Assistant of chemistry
<i>Oct.1985- Dec.1986</i>	Secondary School of Meaux (Paris) Teacher
<i>Jan. 1987 – June 2004</i>	University of Tlemcen_ Algeria Lecturer of chemistry
<i>Jul. 2004 – Dec.2008</i>	University of Tlemcen_ Algeria Associate Professor
<i>Dec. 2008 – Now</i>	University of Tlemcen_ Algeria Professor of chemistry

COURSES TAUGHT

- General chemistry
- Analytical Chemistry
- Inorganic chemistry
- Metallurgy
- Corrosion
- Electrochemistry
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OTHER ACTIVITIES

- Chairman of pedagogic committee for five years.
- Head of Chemistry department for three years
- Deputy director of the preparatory school of science and technology Tlemcen Algeria 2009-2012
- Member of scientific council of the faculty of science of Tlemcen University for 04 years.
- Member of several research projects.
- Head of two research projects
- Reviewer in: -Portugaliae Electrochimica Acta – Journal of Applied Electrochemistry – Journal of Colloids and Interface Science.-Chemical Engineering Research and Design- Arabian journal of chemistry-Chemical Engineering Communications- Journal: Industrial & Engineering Chemistry Research- Arabian journal for science and engineering.
- 40 papers h_{index} : 12

LANGUAGE SKILLS

Arabic	Native
English	Intermediate
French	Very good

LIST OF PUBLICATIONS IN JOURNALS AND PROCEEDINGS

1. **L. LARABI, M. HABASHI, M. TVRDY, J. GALLAND**
"Rôle du pH et de la grosseur du grain de l'austénite primaire sur la cinétique de fissuration en rupture différée d'un alliage Fe23% Ni-0.4% C martensitique.
International Congress on Metallic Corrosion, Vol.3, p. 485 Toronto, June3-7 (1984)
2. **M. HABASHI, L. LARABI, M. TVRDY, J. GALLAND, L. HYSPECKA**
"Rupture différée d'aciers martensitiques Fe-Ni-C: Influence de paramètres de microstructure et d'environnement"
Steels for high parameters service condition- Ostrava (1985) p.66-70
3. **L. LARABI, M. HABASHI, J. GALLAND**
Caractérisation des effets d'environnement sur les essais de rupture différée.
Rapport interne. Contrat CNEXO- Ecole Centrale de Paris.
TDI / COB-CFH, N° 83/7233., Mars 1985.
4. **L. LARABI, M. HABASHI, J. BARTA, M. TVRDY,**
Effect of residual and impurity elements on microstructure, mechanical properties and crack growth rate at static fatigue of martensitic Fe-Ni alloy

**10 th International Congress on Metallic Corrosion, Madras, India, 7-11 Nov. (1987)
published by Key Metals.**

5. L. LARABI, M. HABASHI, J. GALLAND

Influence du pH et du potentiel cathodique sur la rupture différée de l'alliage Fe-Ni-C et de l'acier 42CD4 martensitiques.

Actes des journées maghrébines des sciences des matériaux p-128, OUJDA, 3-4 Avril (1989).

6. L. LARABI, M. HABASHI, J. GALLAND

Influence des éléments d'inclusion sur la microstructure et la vitesse de fissuration en rupture différée de l'alliage Fe-Ni-C martensitiques vieilli.

Proceeding du 1^{er} congrès maghrébin de Mécanique. Tome2, page 268, Ghardaia 23-26 Mars (1996).

7. L. LARABI, M. HABASHI, J. GALLAND

Etude de la couche calco-magnésienne comme conséquence de la protection cathodique.

Proceeding du congrès international sur les sciences de la mer J'NESMAP Tamenfoust 29-31 Mai (1999).

8. L. LARABI, M. HABASHI, J. GALLAND

The effect of primary Austenite Grain Size and hydrogenation condition on crack growth Rate During Delayed Failure on Agering Martensite Fe-Ni- C-alloy.

Proceeding of Jordan International Chemical Engineering Conference III Vol 1, p71, Amman Jordan 27-29 Sep (1999).

9. L. LARABI, Y. HAREK, A. REGUIG AND M.M. MOSTAFA

Synthesis structural study and electrochemical properties of copper(II) complexes derived from benzene- and p-toluenesulphonylhydrazoes.

J. Serb. Chem. Soc. 68 (2) 85-95 (2003)

10 L. LARABI, Y. HAREK, M. TRAISNEL, AND A. MANSRI

Synergistic influence of poly(4-vinylpyridine) and potassium iodide on inhibition of

corrosion of mild steel in 1 M HCl.

J. Appl. Electrochem. 34 (8): 833-839, August 2004

11 Y. HAREK AND L. LARABI

Corrosion inhibition of mild steel in 1M HCl by Oxalic N- phenylhydrazide phenylthiosemicarbazide.

Kem. Ind. 53(2)55-61 (2004)

12 M.BENMOUNA, T.A. VILGIS, A. BENSAFI, L. LARABI

Phase Behavior and conformation of Ring Polymer.

Journal Marocain de Physique (2001)

13. L. LARABI, Y. HAREK

« Influence des ions I^- sur l'inhibition de la corrosion d'un acier doux en milieu H_2SO_4 0.5 M par le poly(4-vinylpyridine) (p4vp)».

Portugaliae electrochimica acta **22 (3) 2004**

14. YAHIA HAREK, LAHCENE LARABI, LEILA BOUKLI, FATIMA KADRI, NOUREDDINE BENALI-CHERIF, MOHCEN M. MOSTAFA

“Synthesis, Characterization, Crystal Structure and Electrochemical Behavior of A Nickel(II) Complex of 5,6-dihydro-2H-pyran-3-Aldehyde Thiosemicarbazone” .

Transition Metal Chemistry **30 (2005) 121-127.**

15. BENALI OMAR, LARABI LAHCENE, TABTI BOUFELDJA, HAREK YAHIA

“Corrosion inhibition of carbon steel in 0.5 M H_2SO_4 by 1-methyl 2-mercapto imidazole”

Anti-Corrosion Methods and Materials, Vol. 52 N°. 5, (2005)

16. LARABI LAHCENE, HAREK YAHIA, BENALI OMAR, GHALEM SAID

“Hydrazone derivatives as corrosion inhibitors of mild steel in 1M HCl”

Progress in Organic Coatings **54 (2005) 256-262**

17. O. BENALI, L. LARABI, S. M. MEKELLECHE AND Y. HAREK

Effect of substitution of phenyl group by naphthyl in a diphenylthiourea molecule towards inhibition of corrosion of cold rolled steel in 0.5 M H_2SO_4

“Journal of Materials Science” October 2006

18. L. LARABI, O. BENALI, S. M. MEKELLECHE, Y. HAREK

“2-Mercapto-1-methylimidazole as corrosion inhibitor for copper in hydrochloric acid”

“Applied surfaces science” November 2006

19. L. LARABI, Y. HAREK' O. BENALI

"Corrosion Inhibition of Copper in 1 M HNO_3 Solution by N-Phenyl Oxalic Dihydrazide and Oxalic N-Phenylhydrazide N'-

Phenylthiosemicarbazide"

«Portugaliae Electrochimica Acta» October 2006

20. O. BENALI, L. LARABI, M. TRAISNEL, Y. HAREK

“Theoretical, electrochemical and XPS study of adsorption of 2-mercapto-1-methylimidazole on carbon steel in 1 M HClO₄

“*Applied surfaces science*” Mai 2007

21 L. LARABI, O. BENALI, S. HAREK

Corrosion inhibition of cold rolled steel by naphthylthiourea in 1M HClO₄.

“Materials letters” Juin 2007

22 H. Harek, Y. Harek and L. Larabi

Influence of N(4-dethylaminophenyl)N'-phenylthiourea on the corrosion of carbon steel in 0.5 M H₂SO₄.

“Materials Science: An Indian Journal” August 2007

23 A. REGUIG AND M.M. MOSTAFA L. LARABI, Y. HAREK,
Synthesis structural study and electrochemical properties of nickel(II) complexes with sulphonylhydrazone derivatives: Spectroscopic and electrochemical studies.

Journal of Applied Sciences, 8(18), 2008

24 S. Merah, L. Larabi, O. Benali, Y. Harek

Synergistic effect of methyl red dye and potassium iodide on inhibition of corrosion of carbon steel in 0.5 M H₂SO₄

Pigment and Resin Technology, Vol. 37 No 5, 2008

25 O. Benali, L. Larabi, Y. Harek

Adsorption and inhibitive corrosion properties of thiourea derivatives on cold rolled steel in 1 M HClO₄

Journal of Applied Electrochemistry, DOI 10.1007/s10800-008-

9717-x (2008)

26 Benali, O., Larabi, L., & Harek, Y.

EFFECT OF SUBSTITUTION OF PHENYL GROUP BY NAPHTHYL IN A DIPHENYLTHIOUREA MOLECULE TOWARDS INHIBITION OF CORROSION OF COLD ROLLED STEEL IN 1M HClO₄.

METAL 2006 23.- 25.5.2006, Hradec nad Moravicí

- 27 O. Benali; L. Larabi; Y. Harek
Inhibiting effects of 2-mercapto-1-methylimidazole on copper
Journal of Saudi Chemical Society ; Vol.14 No.2 April 2010 [Page
231-235]
- 28 Benali, O., Larabi, L., Merah, S., Harek, Y.
Influence of the Methylene Blue Dye (MBD) on the corrosion inhibition of mild
steel in 0.5 M sulphuric acid, Part I: weight loss and electrochemical studies
J. Mater. Environ. Sci. 2 (1) (2011) 39-48
- 29 ATTAR, T., HAREK, Y., Denouni-Medjati, N., & LARABI, L.
Determination of optimal conditions for the dosage of selenium in whole human
blood by differential pulse cathodic stripping voltammetry.
Der Pharma Chemica, 2011, 3 (6):400-405
- 30 Selles C., Benali O., Tabti B., Larabi L., Harek Y.
Green corrosion inhibitor: inhibitive action of aqueous extract of Anacyclus
pyrethrum L. for the corrosion of mild steel in 0.5 M H₂SO₄
J. Mater. Environ. Sci. 3 (1) (2012) 206-21
- 31 Nouria Dennouni-Medjati, Yahia Harek, Attar Tarik and Larabi Lahcene
Whole Blood Selenium Levels in Healthy Adults from the West of Algeria
Biological Trace Element Research Volume 147, Issue 1-3, pp 44-48 (2012)DOI:
10.1007/s12011-011-9287-3
- 32 **Tarik Attar, Yahia Harek, Nouria Dennouni-Medjati, Larabi Lahcene**
Dosage du cadmium et du plomb dans le sang humain par voltamétrie à redissolution
anodique
Annales de Biologie Clinique. Volume 70, Numéro 5, 595-8, Septembre-Octobre 2012

- 33** Attar, T., Harek, Y., Medjati, N., & **Larabi, L.** (2012).
Determination of copper levels in whole blood of healthy subjects by anodic stripping voltammetry.
International Journal of Analytical and Bioanalytical Chemistry, 2, 160-164.
- 34** H. B. Ouici, O. Benali, Y. Harek, S.S. Al-Deyab, **L. Larabi**, B. Hammouti

Influence of the 2-Mercapto-1-Methyl Imidazole (MMI) on the Corrosion Inhibition of Mild Steel in 5% HCl

Int. J. Electrochem. Sci., 7 (2012) 2304 – 2319
- 35** Tarik Attar, Yahia Harek, and **Lahcen Larabi**

Determination of Ultra Trace Levels of Copper in Whole Blood by Adsorptive Stripping Voltammetry
Journal of the Korean Chemical Society 2013, Vol. 57, No. 5
- 36** Attar, T., Dennouni-Medjati, N., Harek, Y., & **Larabi, L.** (2013).
The Application of Differential Pulse Cathodic Stripping Voltammetry in the Determination of Trace Copper in Whole Blood.
Journal of Sensors and Instrumentation, 1(1), 31-38.
- 37** Ouici, H. B., Benali, O., Harek, Y., **Larabi, L.**, Hammouti, B., & Guendouzi, A.
The effect of some triazole derivatives as inhibitors for the corrosion of mild steel in 5% hydrochloric acid.
***Research on Chemical Intermediates*, September 2013, Volume 39, Issue 7, pp 3089-3103**
- 38** Attar, T., Medjati, N. D., Harek, Y., & **Larabi, L.** (2013).
Determination of Zinc levels in Healthy Adults from the West of Algeria by Differential Pulse Anodic Stripping Voltammetry.
Journal of Advances in Chemistry, 6(1), 855-860.
- 39** Ouici, H. B., Benali, O., Harek, Y., **Larabi, L.**, Hammouti, B., & Guendouzi, A.
Inhibition of mild steel corrosion in 5% HCl solution by 5-(2-hydroxyphenyl)-1, 2, 4-triazole-3-thione. *Research on Chemical Intermediates*, July 2013, Volume 39, Issue 6, pp 2777-2793
- 40** Tarik Attar, Yahia Harek and **Lahcène Larabi**
Determination of copper in whole blood by differential pulse adsorptive stripping Voltammetry
Mediterr.J.Chem.,2014(6), 691- 700
- 41** Saifi, H., Talhi, B., Rehamnia, R., **Larabi, L.**, Bensalem, R., Bernard, M. C.,
Takenouti, H. (2014).

Inhibitory efficiency of oxalic N-phenylhydrazide-N'-phenylthiosemicarbazide on corrosion of carbon steel in 0,5M H₂SO₄. *Corrosion Engineering, Science and Technology*.

- 42 Ahmed, Y. B., Merzouk, H., Harek, Y., Medjdoub, A., Cherrak, S., **Larabi, L.**, Narce, M.(2014)
In vitro effects of nickel (II) and copper (II) complexes with 2, 5-bis (2-pyridyl)-1, 3, 4-thiadiazole on T lymphocyte proliferation and intracellular redox status.
Medicinal Chemistry Research, 1-9.
- 43 Attar, T., Ferrah, N., Dennouni, N., Reguig, A., Yahia, H., & **Larabi, L.** Serum concentration of selenium among healthy adult in the west of Algeria.
Der Pharma Chemica, 2015, 7(8):102-104
- 44 S Merah, **L Larabi**, O Abderrahim ,Y Harek
Study of corrosion inhibition of C38 steel in 1M HCl solution by poly ethyleneiminemethylene phosphonic acid
Accepted in International Journal of Industrial Chemistry 2016

LIST OF COMMUNICATIONS

1. **L. LARABI**, Y. HAREK, H. BENAÏSSA
Etude conductimétrique de la fixation des ions Cu^{2+} par un biopolymère : la chitine.
Quatrième congrès de SAC, Tlemcen 13-14 Mai 1997
2. **L. LARABI**
Etude chronoampérométrique de l'entartrage dû à quelques eaux de la région de Tlemcen
Quatrième congrès de SAC, Tlemcen 13-14 Mai 1997
3. **L. LARABI**, Y. HAREK
Etude voltamétrique de la réduction du bleu de méthylène en présence des ions Fe^{3+} .
Journée d'Electrochimie, Sétif, 28-29 Oct. (1997).
4. **L. LARABI**, Y. HAREK, M EL ASKALANY
Etude polarographique de la complexation des ions Fe(III) , Sn(II) et Bi(III) par l'Hématoxyline
Troisième symposium national sur la chimie organique industrielle et pharmaceutique. Bechar 1999
5. **L. LARABI**
Application de la voltamétrie linéaire à l'étude de la complexation des ions Fe(III) par F^- et l'EDTA
Cinquième congrès de SAC, Bejaïa Mai 1999
6. **L. LARABI**, L. MECHERNENE, S. GHALEM.

Captage et stockage de l'énergie au moyen de cellules photoélectrochimiques.

Journées Nationales sur la Valorisation des Energies Renouvelables, Tlemcen, 23-24 Nov., 1999.

7. **L. LARABI, A. BENSIFI, Y. HAREK.**

Piles à combustibles : Principe et fonctionnement

Journées Nationales sur la Valorisation des Energies Renouvelables, Tlemcen, 23-24 Nov., 1999.

8. **L. LARABI, O. BENALI, Y. HAREK, M. M. EL ASKALANY**

Stability constants of Bi(III), Sb(III) and Sn(II) with Hematoxylin

Third International Conference on Electrochemistry and Its Application, Luxor-Egypt, 13-15 Feb. (2001)

9. **O. BENALI, L. LARABI, Y. HAREK, M. M. EL ASKALANY**

Stability constants of Bi(III) with Hematoxylin

Troisièmes Journées sur l'Analyse Physico-chimique, Alger, Déc. (2002)

10. **O. BENALI, L. LARABI, Y. HAREK**

Etude polarographique des ions Bi(III) et Sb(II) en solution

Séminaire International « Biologie et Environnement », Constantine, 20-22 Oct. (2002)

11. **L. LARABI, Y. HAREK, H. HAREK**

Synthèse et étude comparative de l'effet d'inhibition du PDHO et du PHPTO vis-à-vis de la corrosion d'un acier doux en milieu HCl 1M

Troisièmes Journées d'Electrochimie, Tizi-Ouzou, 16-17 Déc. (2003)

12. **Y. HAREK, L. LARABI, H. HAREK**

Corrosion inhibition of mild steel in 1M HCl by Oxalic N-phenylhydrazide N'-phenylthiosemicarbazide.

Troisièmes Journées d'Electrochimie, Tizi-Ouzou, 16-17 Déc. (2003)

13. **O. BENALI, L. LARABI et Y. HAREK**

Etude polarographique de l'effet de la température sur la complexation entre l'hématoxyline et les ions Sn(II) et Bi(III)

Troisièmes Journées d'Electrochimie, Tizi-Ouzou, 16-17 Déc. (2003)

14. **L. LARABI, O. BENALI et Y. HAREK**

Détermination des constantes de stabilité des complexes de Bi(III) dérivés de l'acide citrique et des ions citrate : Application de l'approche de Deford-Hume.

Troisièmes Journées d'Electrochimie, Tizi-Ouzou, 16-17 Déc. (2003)

15. **L. LARABI, Y. HAREK et O. BENALI**

Influence des ions I⁻ sur l'inhibition de la corrosion d'un acier doux en milieu H₂SO₄ par le P4VP

Troisièmes Journées d'Electrochimie, Tizi-Ouzou, 16-17 Déc. (2003)

16. **F. Bensaoula, C. Chaoui Boudghène, Y. Harek, L. Larabi**

« Aperçu sur la qualité des eaux souterraines du grand Tlemcen »

3^{ème} Séminaire National sur les Ressources en Eau, Centre Univ-Mascara, 04-05 Mai, 2004

17. **L. LARABI** , O. BENALI, Y. HAREK
 «Etude de l'effet d'inhibition du N-phénylhydrazine N'-phénylthiosemi-carbazide oxalique et le N-phényldihydrazide oxalique vis-à-vis de la corrosion du cuivre en milieu HNO₃ 1M » *Premières journées de chimie, Ecole Militaire Polytechnique, Alger, 28-29 Mars, 2005*

18. O. Benali, **L. Larabi**, S. M. Mekalleche, Y. Harek
 «Effect of substitution of phenyl group by naphthyl in a diphenylthiourea molecule towards inhibition of corrosion of cold rolled steel in 1M HClO₄ »
4^{ème} Rencontre nationale d'électrochimie, tétouan, Maroc, 02-03 Juin 2006

19. H. Harek, Y. Harek, **L. Larabi**, O. Benali
 « N-[4-Diethylaminophenyl]-N'-Phenylthiourea as corrosion inhibitor for carbon steel in 0.5M H₂SO₄ solution »
4^{ème} Rencontre nationale d'électrochimie, tétouan, Maroc, 02-03 Juin 2006

20. H. Harek, Y. Harek, **L. Larabi**
 « Etude de la pollution de l'eau souterraine de la ville de Tlemcen, Algérie »
Congrès des Sciences Analytiques, Merrakech, Maroc, 01-03 Nov. 2006

21. A.. Reguig, MM Mostapha, **L. Larabi**, Y. Harek
 Synthèse, Spectral and Electrochemical Studies of Nickel(II) Complexes Derived From Benzen-and P-toluenesulphonylhydrazones”
Colloque National sur la Chimie et l'Environnement, SAIDA, 26-27 Avril 2008

22. H. Harek, Y. Harek, **L. Larabi**
 “ Inhibition action of N-(4-diethylaminophenyl)-N'-phenylthiourea towards corrosion of carbon steel in areated 1M hydrochloric acid solutions”
Journées Scientifiques Séparation & Spectrochimie Moléculaire, Tlemcen, 16-17 Décembre 2008

23. H. Harek, Y. Harek, **L. Larabi**
 “ Evaluation of N-(4-diethylaminophenyl)-N'-phenylthiourea as corrosion inhibitor for carbon steel in perchloric acid”
Journées Scientifiques Séparation & Spectrochimie Moléculaire, Tlemcen, 16-17 Décembre 2008

24. M Bendimerad, Y. Harek, C. Selles, H. Harek, **L. Larabi**
 « Spectrophotometric determination of trace copper(II) in waters amples with N-phenyl-oxalicedihydrazide »
Journées Scientifiques Séparation & Spectrochimie Moléculaire, Tlemcen, 16-17 Décembre 2008

25. Fellah Amel, Reguig Abdellatif, Attar Tarik, Harek Yahia, Ichchou Imane, Benmansour Yamina, **Larabi Lahcene** and Harek Houria

"4-(dimethylamino) benzaldehyde(4-phenyl-1,3-thiazol-2-yl)
hydrazone : a new corrosion inhibitor for XC38 steel in hydrochloric acid "

The Fifteenth International Conference on "New Trends on Fatigue and
Fracture and Environment"

National Polytechnic School of Oran, Algeria, 20-23 octobre 2015

26 A Fellah, Y Baba Hamed, I Ichchou, Y Harek **L Larabi**,
"Evaluation de l'efficacite inhibitrice d'un derive de base de schiff vis-a-vis de la
corrosion de l'acier XC38 en milieu HCl 1M"
Matériaux 2014 , Montpellier 24-28 novembre

27 A Fellah, Y Harek, L Larabi
Eurocorrosion 2015

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