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CURRICULUM VITAE

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ACADEMIC CAREER

B. Sc (Hons) Department of Biochemistry, University of Karachi, Pakistan, 1991
GPA 3.75

M. Sc Department of Biochemistry, University of Karachi, Pakistan, 1992
GPA 4.0
Thesis: "*Effect of Immobilization Stress on Liver Tryptophan Pyrrolase Activity*",
under the supervision of Dr. M.A. Haleem

MS Department of Medical Laboratory Sciences, College of Health, Florida
GPA 3.82
International University, Miami, USA, 1997
Thesis: "*Secretion of Tumor Necrosis Factor by Human Leukocytes Stimulated
with Shark Cartilage*", under the supervision of Dr. Sylvia L. Smith

PhD Department of Neuroscience, School of Biological Sciences, University
of Manchester, UK, 2001
Thesis: "*Amino Acid Neurotransmitters in the Development of Chronic Pain in
Rats*", under the guidance of Dr. Barbara J. Pleuvry

PROFESSIONAL POSITIONS

Assistant Professor (January 2004 – Present)

Pharmacology, H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.

British Council Visitor, University of Reading (February 2009)

Under Higher Education Link Programme Scheme between HEC (Pakistan) & British Council

Visiting Professor (December 2004-February 2005)

Transfusion Medicine Unit, St. Michael's Hospital, Toronto, Canada

Visiting Scholar (January 2005-February 2005)

Programme in Integrative Biology, The Hospital for Sick Children Research Institute, Toronto, Canada

Visiting Faculty (June 2003- July 2003, Summer Course on Bioinformatics),

FAST Institute of Computer Science, National University of Emerging Sciences, Karachi, Pakistan.

Assistant Professor (Jan 2002 – December 2003)

Department of Biochemistry, Baqai Medical University, Karachi, Pakistan.

Graduate Research Assistant (1997)

Department of Medical Laboratory Sciences, Florida International University, Miami, USA.

Graduate Assistant (1995-1996)

Department of Medical Laboratory Sciences, Florida International University, Miami, USA.

Teaching Assistant / Cooperative Teacher (August 1993-December 1994)

Department of Biochemistry, University of Karachi, Karachi, Pakistan.

OTHER POSITIONS / SERVICES

Member of ICCBS Animal Care and Use committee (2004-Present)

Institutional Biosafety Committee (2006-Present)

Journal Reviewer: International Immunopharmacology, Pharmaceutical Biology, Acta Pharmacologica Sinica, Inflammation Research, Journal of Integrative Medicine, Epilepsy Research

Member of "GO MANCHESTER" community service organization (2000-2001), UK.

Member of the Graduate Student Grievance Committee, 1996-1997 (Graduate Students Representative), Florida International University, Miami, USA.

Instructor (Volunteer), Ida Rieu, School for Special Children, Karachi, Pakistan

M. Phil THESIS SUPERVISED

Anticonvulsant and antiepileptogenic actions of *Delphinium nordhagenii*. M. Liaquat Raza, 2007.

Effect of GABA receptor agonist or GABA analog on expression of CD44, CD29 and CD90 cell surface markers in the brain of adjuvant induced arthritic (AIA) model of rats. Syeda Durr-e-Shahwar Momin, 2009.

Effect of newly isolated essential oil AC-31B from *Allium cepa* on immune functions. Raheela Khan, 2009.

Determination of cFos expression in seizure/ epileptic model in mice and their regulation by anticonvulsant. Kiran Aslam, 2009.

Effect of GABA receptor agonist(s) or GABA analog on the expression of BDNF in adjuvant induced arthritic model of rats, Sameera Khurshid, 2011.

In vivo study of synergistic action of verapamil and gabapentin on acute and chronic seizure models of mice. Dr. Itefaq Hussain, 2011.

Comparative studies on the effects of clinically used anticonvulsants on the oxidative stress biomarkers in PTZ-induced kindling model of epileptogenesis in mice. Faizan Mazhar, 2013.

PhD THESIS SUPERVISED

Mechanistic Study of a Novel Anticonvulsant Isoxylitones [E/Z] and its Effects on BDNF and C-FOS Expression. Muhammad Nadeem Ashraf, 2012. (Awarded)

Anti-arthritic effects of a synthetic derivative of glucosamine in adjuvant-induced arthritic model of rats. Syed Uzair Ali Shah, 2013 (Awarded)

Pharmacological modulation of arthritis development by DMARDs, GN-1 and NA-2 in adjuvant-induced arthritis model. Huma Jawed, 2013. (Awarded)

CURRENT RESEARCH ACTIVITIES

Ongoing projects are:

1. Modulation of up-regulated TLRs, inflammatory cytokines and cluster differentiation markers by N-(2-Hydroxy Phenyl) acetamide in adjuvant-induced arthritis (AIA) model of rats
2. BDNF expression in epileptic mice treated with anti-convulsants isolated from natural products.
3. *In vitro* modulation of human glioblastoma cells (U87) by N-(2-Hydroxy Phenyl) acetamide.

HONOR(s) / AWARD(s)

- XXth Star Awards 2009, South Asia Publications.
- ISN Travel Award (2009), International Society for Neurochemistry.
- 7th AOEC Travel Award (2008), ILAE / IBE Congress Secretariat, Xiamen, China.

- University Research Studentship Awards, University of Manchester, 1998-2001 (UK).
- Overseas Research Studentships (ORS) awarded for 1998-2001 (UK).
- Academic Affairs award (1996 & 1997), Florida International University.
- Member of Phi Kappa Phi Honorary Society, 1996-97.
- Merit certificates, University of Karachi, 1991 and 1992.

RESEARCH GRANT (PI)

Research proposal entitled “New Approaches to Effective Pain Management Clinical Potential of GABA Receptors Modulators in the Development of Chronic Pain”, approved under PSF Research Support Scheme Ref. No. PSF/Res/S-KU/Med (282). (2010).

Research proposal entitled “Modulation of neurotrophic factor BDNF and c-fos expression in animal model of epileptogenesis: Implications for anti-epileptogenic properties”, approved under HEC Ref. No. 20-2066/NRPU/R&D/HEC/125019. (2013).

MEMBERSHIP OF SCIENTIFIC SOCIETIES

American Society for Pharmacology and Experimental Therapeutics (ASPET)

Inflammation Research Association

Society for Neuroscience

International Society for Neurochemistry

European Society for Neurochemistry

International Brain Research Organization

Canadian Interdisciplinary Network for Complementary & Alternative Medicine Research

Western Pharmacology Society

Third World Organization for Women in Science (TWOWS)

PATENT:

Title: New Anticonvulsant Compounds

Publication Date: 01/03/2008

Document Type and Number: United States Patent 20080004353

Kind Code: A1

PAPER(s)

Hanif F, Perveen K, Jawed H, Ahmed A, Malhi SM, Jamall S, Simjee SU. (2014). N-(2-hydroxyphenyl)acetamide (NA-2) and Temozolomide synergistically induce apoptosis in human glioblastoma cell line U87. *Cancer Cell International* 14: 133.

Perveen K, Hanif F, Jawed H, Jamall S, Simjee SU. (2014). N-(2-hydroxy phenyl) acetamide: A novel suppressor of Toll like receptors (TLR2 and TLR4) in adjuvant-induce arthritic rats. *Mol Cell Biochem.* 394(1-2): 67-75.

Saeed Arayne M, Sultana N, Khan MM, Simjee SU (2014) Leflunomide with meloxicam on progression of rheumatoid arthritis and its associated depression in AIA rats. *Clinic Pharmacol Biopharmaceut* 3:114. doi: 10.4172/2167-065X.1000114.

- Jawed H, Jamall S, Shah SUA, Perveen K, Hanif F, Simjee SU. (2014). N-(2-hydroxy phenyl) acetamide produces profound inhibition of c-fos protein and mRNA expression in the brain of adjuvant-induced arthritic rats. *Mol Cell Biochem.* 387(1): 81-90
- Malhi SM, Jawed H, Hanif F, Ashraf N, Farhat Z, Siddiqui BS, Begum S, Kabir N, Simjee SU. (2014). Modulation of c-Fos and BDNF protein expression in pentylenetetrazole-kindled mice following the treatment with novel anti-epileptic compound HHL-6. *BioMed Res Int.* vol 2014: Article ID 876712.
- Ashraf MN, Gavrilovici C, Ali Shah SU, Shaheen F, Choudhary MI, Rahman AU, Fahnestock M, Simjee SU, Poulter MO. (2013). A novel anticonvulsant modulates voltage-gated sodium channel inactivation and prevents kindling-induced seizures. *J. Neurochem* 126(5): 651-61.
- Perveen K, Hanif F, Jawed H, Simjee SU. (2013). Protective Efficacy of N-(2-Hydroxyphenyl) Acetamide against Adjuvant-Induced Arthritis in Rats. *BioMed Res. Int.* Volume 2013 (2013), Article ID 635143, <http://dx.doi.org/10.1155/2013/635143>.
- Shah SUA, Jawed H., Awan SI, Anjum S, Simjee SU. (2013). The Anti-Arthritic and Immune-Modulatory Effects of NHAG: A Novel Glucosamine Analogue in Adjuvant-Induced Arthritis. *BioMed Res. Intl.* Volume 2013 (2013), Article ID 487610, <http://dx.doi.org/10.1155/2013/487610>
- Hanif F, Perveen K, Jawed H, Simjee SU. (2013). *In vitro* growth inhibition of U87 glioblastoma cells by N-(2- hydroxyphenyl) acetamide. *Intl. J Med & Pharm Sci. (IJMPS)* Vol 3(4), 69-78
- Shah SU, Ashraf N, Soomro ZH, Shah MR, Kabir N, Simjee SU. (2012). The anti-arthritic and anti-oxidative effect of NBD (6-nitro-1,3-benzodioxane) in adjuvant induced arthritis (AIA) in rats. *Inflammation Res.* 61(8):875-87.
- Simjee SU, Shaheen F, Choudhary MI, Rahman AU, Jamall S, Shah SU, Khan N, Kabir N, Ashraf N. (2012). Suppression of c-Fos Protein and mRNA Expression in Pentylenetetrazole-Induced Kindled Mouse Brain by Isoxylitones. *J Mol Neurosci.* 47(3): 559-570.
- Jawed H, Anjum S, Awan SI, Simjee SU (2011). Anti-arthritic effect of GN1, a novel synthetic analog of glucosamine, in the collagen-induced arthritis model in rats. *Inflamm. Res.* 60(12):1113-20.
- Jawed H, Shah SUA, Jamall S, Simjee SU (2010). N-(2-hydroxy phenyl) acetamide inhibits inflammation-related cytokines and ROS in adjuvant-induced arthritic (AIA) rats. *Intl. Immunopharmacol.* 10(8):900-5.
- Raza ML, Zeeshan Mohammad, Manzoor A, Farzana S, Simjee SU. (2010). Anticonvulsant activity of DNS II fraction in the acute seizure models. *J Ethnopharmacol.* 128(3): 600-605.
- Ahmad S, Ashraf N, Nisar-ur-Rehman, Nazir M, Ashraf S, Akhtar KS, Muhammad Saleem, Riaz N, Jabbar A, Simjee SU. (2010), Anticonvulsant and antimicrobial activities of the methanolic extract of *Cymbopogon jvarancusa*. *J. Trop. Med. Plants* 11(1): 39-44.
- Khan S, Nisar M, Simjee SU, Rehman W, Khan R, Jan I, Momin D-S. (2010). Evaluation of micronutrients level and antinociceptive property of *Eremostachys laciniata* (L) Bunge. *African J Biotech.* 9(5): 775-777.
- Gul A, Rahman MA, Salim A, Simjee SU. (2009). Advanced glycation end products in senile diabetic and nondiabetic patients with cataract. *J Diabetes Complications* 23 (5): 343-348.

Gul A, Rahman MA, Salim A, Simjee SU. (2008) Advanced glycation end products in senile diabetic and non-diabetic patients with cardiovascular complications. *AGE* 30(4):303-9.

Gul A, Rahman MA, Hasnain SN, Salim A, Simjee SU (2008). Could Oxidative Stress Associate with Age-Products in Cataractogenesis? *Current Eye Research*, 33: 669-675.

Nisar M, Khan I, Simjee SU, Gilani AH, Obaidullah, Perveen H. (2008). Anticonvulsant, analgesic and antipyretic activities of *Taxus wallichiana* Zucc. *J Ethnopharmacol.* 116(3):490-494.

Simjee SU, Jawed H, Quadri J, Saeed SA. (2007). Quantitative gait analysis as a method to assess mechanical hyperalgesia modulated by disease modifying anti-rheumatoid drugs in the adjuvant induced arthritic rat. *Arthritis Research & Therapy* 9(5):R91.

Saeed SA, Shad KF, Simjee SU (2007). Dual inhibition of cyclooxygenase and lipoxygenase enzymes by human cerebrospinal fluid. *Exp Brain Res.* Apr; 178(4): 560-4.

Merly L., Simjee S., Smith SL. (2007). Induction of inflammatory cytokines by cartilage extracts. *Int. Immunopharmacol.* **7(3)**: 383-391.

M. Kamran Azim, Humera Perveen, M. Ahmed Mesaik and Shabana U. Simjee (2007). Anti-nociceptive activity of natural honey in thermal-nociception models in mice. *Phytother. Res.* **21(2)**: 194-197.

Sheikh Arshad Saeed, Shumaila Tasneem, Nazia Qidwai and Shabana Usman Simjee (2005). Low dose aspirin depresses human platelets aggregation triggered by activating agents whose mechanisms involve arachidonic acid. *JCPSP* 15(10): 665.

Sheikh Arshad Saeed, Imran Manzoor, Javeria Quadri, Shumaila Tasneem and Shabana Usman Simjee (2005). Demystifying Phytochemicals: An Insight. *Intl. J. Pharmacol.* **1(3)**: 218-222.

Shabana Simjee, Barbara Pleuvry, Paul Coulthard (2004). Modulation of the gait deficits in arthritic rats by infusions of muscimol and bicuculline. *Pain*, 109(3): 453-460

Coulthard P, Simjee SU, Pleuvry BJ. (2003). Gait analysis as a correlate of pain induced by carrageenan intraplantar injection. *J Neuroscience Methods*, 128(1-2): 95-102.

ABSTRACTS PUBLISHED IN SPECIAL SUPPLEMENTS:

Perveen K, **Simjee SU**. Serum lipids, proteins, and pro-inflammatory cytokines levels in arthritic rats following treatment with n-(2-hydroxyphenyl)-acetamide. **Source:** Inflammation Research. **Volume:** 61 **Supplement:** 1 **Pages:** S22-S22 **Published:** SEP 2012

Malhi SM, Jawed H, Hanif F, Ashraf N, Farhat S, Siddiqui B, Begum S, **Simjee SU**. Modulation of c-fos and BDNF proteins expression in PTZ-kindled mice following the treatment with novel anti-epileptic compound 2-acetyl-3-(2-hexanoylamidoethyl)-7-methoxyindole: an immunohistochemical analysis. **Source:** EPILEPSIA **Volume:** 53 (Special Issue) **Supplement:** 5 **Pages:** 173-173 **Published:** SEP 2012

Simjee SU, Ashraf MN, Shaheen F, Rahman A, Choudhary MI, Kabir N, Shah SUA, Jamall S. Targeting epilepsy: molecular markers of epileptogenesis and its modulation by isoxylitones [E/Z isomeric mixture]. **Source:** EPILEPSIA **Volume:** 53 **Special Issues:** SI **Supplement:** 5 **Pages:** 173-173 **Published:** SEP 2012

Ashraf MN, **Simjee SU**, Poulter MO. A novel anticonvulsant isoxylitones [E/Z] suppresses sodium currents in Nav1.2 and Nav1.3, and prolongs inactivation development and recovery from inactivation in voltage-gated sodium channels. **Source:** EPILEPSIA **Volume:** 53 **Special Issue:** SI **Supplement:** 5 **Pages:** 191-191 **Published:** SEP 2012

Simjee SU, Khan R. Inhibition of long-term kindled seizures induced alterations in hematopoietic functions in Bone marrow cells by AC-31B (Essential oil from *Allium cepa*) **Source:** Immunology **Volume:** 135 **Special Issue:** SI **Supplement:** 1 **Pages:** 129-129 **Published:** DEC 2011

Jawed H, Jamall S, Shah SUA, **Simjee SU**. Therapeutic and preventive properties Of N-(2-hydroxy phenyl) acetamide in AIA correlate with decreased inflammatory mediators. **Source:** Inflammation Research **Volume:** 59 **Supplement:** 3 **Pages:** S290 **Published:** SEP 2010.

Khurshid S, Siddiqua Jamall, **Simjee SU**. The additive effect of gabapentin treatment on the expression of BDNF in various regions of adjuvant-induced arthritic rat brain. **Source:** Inflammation Research **Volume:** 59 **Supplement:** 3 **Pages:** S292 **Published:** SEP 2010

Simjee SU, Shaheen F, Atta-Ur-Rahman, Choudhary MI, Kabir N, Jamall S, Shah SUA, Ashraf N. Isoxylitones (E/Z isomeric mixture) attenuates changes in levels of BDNF and c-fos in various regions of mice brain undergoing chemical kindling: implications for antiepileptogenic properties. **Source:** EPILEPSIA **Volume:** 51 **Special Issue:** Sp. Iss. SI Suppl. 4 **Pages:** 80-80 **Published:** JUN 2010

Simjee SU, Aslam K, Perveen H, Salim A, Jamall S, Khan R. Protective effect of AC-31B in model of epileptogenesis and epileptogenesis-induced alteration in hematopoietic functions in bone marrow cells. **Source:** *J. Neurochemistry* **Volume:** 110 **Pages:** 201-202 **Published:** 2009

Aslam K, **Simjee SU**, Salim A. Suppressive effects of AC-31B on c-Fos expression in epileptic mice brain. **Source:** *Neuroscience Research* **Volume:** 65 **Pages:** S250-S250 **Published:** 2009

Raza ML, Zeeshan M, Ahmad A, Shaheen F, **Simjee SU**. Anticonvulsant activity of *Aconitum violaceum* against Maximal Electroshock induced seizure model. *Frontiers in Behavioral Neuroscience*. **Source:** *Journal of Neurochemistry* **Volume:** 110 **Pages:** 40-40 **Supplement:** 2 **Published:** Sep 2009

Raza ML, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Seizure protection by aconitum violaceum against maximal electroshock test **Source:** *Journal of Neurochemistry* **Volume:** 110 **Pages:** 11-12 **Supplement:** 1 **Published:** July 2009

Raza ML, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Toxicity testing behavior assessment of anticonvulsant fraction isolated from *Delphinium* specie. **Source:** *J. Pharmacol. Toxicol Methods*, **Volume:** 58(2) **Pages:** 152 **Published:** 2008.

Jawed H, Awan SI, Anjum S, **Simjee SU**. Suppression of C-reactive Protein and Lipoprotein Levels in Arthritic Rats by Novel Glucosamine-analog GN1. **Source:** Inflammation Research **Volume:** 57 **Pages:** S98-S99 **Supplement:** 2 **Published:** 2008

Shah SU, Jawed H, Hussain Z, Shah MR, **Simjee SU**. Preventive Role of ZH-67-2-1 in Adjuvant-induced Arthritis in Rats. **Source:** Inflammation Research **Volume:** 57 **Pages:** S106-S106 **Supplement:** 2 **Published:** 2008

Momin D-e-S, Khurshid S, Jawed H, Aslam K, Saeed SA, **Simjee SU**. Modulatory role of 2-acetamidophenolon the expression of CD44 cell surface markers in the brain of adjuvant induced arthritic model (AIA) of rats. **Source:** Inflammation Research **Volume:** 57 **Pages:** S98-S99 **Supplement:** 2 **Published:** 2008

ML Raza, M Zeeshan, F Shaheen, **Simjee SU**. Action of DNS acetone fraction against chemical induced neuronal hyperexcitability. **Source:** Journal of Neurochemistry **Volume:** 101 **Pages:** 36-36 **Supplement:** 1 **Published:** June 2007

ABSTRACT(s):

Simjee SU. Nature's Own Remedies: *Allium cepa*; Does it Offer New Options for the Treatment of Epilepsy. 3rd Bi-National Symposium France-Pakistan joined to Asilic Bioasia Symposium and 4^{èmes} Journées Internationales de l'AFERP, Besançon, France, 15th - 18th July 2010.

Simjee SU, Shaheen F, Choudhary MI, Atta-ur-Rahman, Jamall S, Khan N, Kabir N, Shah SUA, Ashraf N. Targeting Epilepsy: Molecular Markers of Epileptogenesis and its Modulation by Isoxylitones [E/Z isomeric mixture], 3rd International Symposium-cum-Training Course on Molecular Medicine and Drug Research, 3rd – 6th January 2011, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.

Simjee SU, Ashraf N, Shaheen F, Choudhary MI, Rahman AR, Khan N, Salim A, Jamall S. Suppression of c-fos protein and mRNA expression in different regions of pentylenetetrazole-induced kindled mouse brain by N-22-4. Neuroscience 2009, Society for Neuroscience's 39th Annual Meeting, Oct. 17-21, Chicago, USA.

Momin D.-e.-S., Khurshid S, Jawed H, AslamK, Saeed SA, **Simjee SU**. Modulatory role of novel acetaminophen derivative OS-2 on the expression of CD44 cell surface markers in the brain of adjuvant induced arthritic model (AIA) of rats. WIP 2009, 5th World Congress, World Institute of Pain, March 13-16, 2009, New York USA.

Khan R, Salim A, **Simjee SU**. Suppressive Effect of Diazepam and GABA on CD Surface Markers Expression on Bone Marrow Stromal Cells From Kindled Mice. Epilepsy Society of Australia 23rd Annual Scientific Meeting, 5th – 7th November 2008, Sydney, Australia.

Simjee SU, Salim A, Khan R. Suppression of long-term kindled seizures induced alterations in hematopoietic functions in bone marrow cells by essential oil from *Allium cepa*. 38th annual meeting of the Society for Neuroscience, 15th November – 19th November 2008, Washington, DC., USA.

Khan R, Salim A, and **Simjee SU**. Effects of diazepam treatment on hematopoeitic functions in bone marrow cells in PTZ-induced kindled mice. The 11th International Symposium on Natural Product Chemistry, 29th October – 1st November 2008, Karachi, Pakistan.

Ashraf N, **Simjee SU**, Begum S, Farhat. Protective effect of HHL-6 in scPTZ-induced seizure and kindling model of epilepsy in mice. The 11th International Symposium on Natural Product Chemistry, 29th October – 1st November 2008, Karachi, Pakistan.

Shah UA, Jawed H, Shahid, Anjum S, **Simjee SU**. Evaluation of anti-arthritis effect of compound GN1 on the inflammatory cytokines TNF α and IL-1 β in adjuvant induced arthritic

rats. The 11th International Symposium on Natural Product Chemistry, 29th October – 1st November 2008, Karachi, Pakistan.

Momin D-e-S., **Simjee SU**, Jawed H, Aslam K, Saeed SA, Khurshid S. Expression of CD44 cell surface markers in adjuvant induced arthritic model of rats. The 11th International Symposium on Natural Product Chemistry, 29th October – 1st November 2008, Karachi, Pakistan.

Bano H, Rahim N, Zafar M, Waseem A, **Simjee SU**. Anti-inflammatory activity of *Salmalia malabarica* (Linn.), *Commicarpus boissieri* (Hermerl) and *Xanthium strumarium* (DC). The 11th International Symposium on Natural Product Chemistry, 29th October – 1st November 2008, Karachi, Pakistan.

Simjee SU, Salim A, Aslam K. Effect of anticonvulsants on expression of CD44 cell surface marker in PTZ-induced epileptic mice brain. 7th Asian & Oceanian Epilepsy Congress, 15th to 18th May 2008, Xiamen, China.

Raza M L, Perveen H, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Protective actions of DNS II in epilepsy model in mice. National Congress of the Italian Society of Neuroscience, Sept 27-30 2007, Verona, Italy.

Raza ML, M. Zeeshan, F. Shaheen, **Simjee S**. Screening of a new anticonvulsant from the flora of Pakistan. MipTec - The 10th Leading European Drug Discovery Event, 7th-10th May 2007, Basel, Switzerland

Raza ML, Muhammad Zeeshan, Ahmad M, Ilyas F, **Simjee SU**. Actions of DNS II in Epilepsy Model. Source: Neuron Glia Biology, Volume: 2, Supplement: 1, Pages: S61-S61. Published: 2007.

Azim MK, Mesaik MA, **Simjee SU**, Auranzeb M, Nazimuddi, Saeed SA. Medicinal Properties of Honey from Northern Pakistan. 1st International Conference on the Medicinal Uses of Honey (From Hive to Therapy), 26th – 28th August 2006, Kelantan, Malaysia

Simjee SU, Jawed H, Aslam K, Perveen H. Natural Products: Do they offer new options for the treatment of pathologies? (Prize winning poster) World Health Updates: Conference and Symposia, January 2007, Karachi, Pakistan.

Raza ML, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Neuroprotection by *Delphinium* fraction against the neuronal hyperexcitability. 9th International Symposium on Thrombolysis & Acute Stroke Therapy (TAST 2006) & 19th Annual Scientific Meeting of the Hong Kong Neurological Society, December 2006, Hong Kong.

Raza ML, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Natural product against the chemoconvulsant induced seizure, XXIV Annual Conference of Indian Academy of Neurosciences and International update on Advances in Basic and Clinical Neurosciences, December 2006, Industrial Toxicology Research Centre, Lucknow, India.

Raza ML, Zeeshan M, Ahmad M, Shaheen F, **Simjee SU**. Safety profile and behavior analysis of anticonvulsant fraction from *Delphinium* specie. 6th Asian Oceanian Epilepsy Congress, November 2006, Kuala Lumpur, Malaysia.

Raza ML, Zeeshan M, Shaheen F, **Simjee SU**. Anticonvulsant action of DNS-II acetone fraction of *Delphinium nordbagenii* against picrotoxin induced seiures in mice. 21st Annual Scientific Meeting of the Epilepsy Society of Australia, Oct 2006, Melbourne, Australia.

Perveen H, Anjum S, Rizvi NS, **Simjee SU**. Antinociceptive Effect of Seed Essential Oil from *Elettaria cardamom* in Mice. 1st International Chemistry Conference on “Recent Challenges in Chemistry”, November 2006, Govt. College University Faisalabad, Faisalabad, Pakistan.

Perveen H, Rizvi NS, Anjum S, **Simjee SU**. Anticonvulsant and Anti-epileptogenic Effect of *AC-31B (essential oil)* Extracted from *Allium cepa*. 3rd AFERP International days / 2nd Symposium Bi-National France-Pakistan, October 2006, Rennes, France.

Saeed SA, **Simjee SU**, Jawed H. New Aspects of the C-Reactive and Lipoproteins in Collagen Induced Arthritis: Possible Markers of Inflammation. Presented at 4th James Black Conference (British Pharmacological Society): “The Challenges of Drug Discovery & Development”, September 2006, University of Hardfordshire, UK

Kamran MA, Mesiak MA, **Simjee SU**, M. Auranzeb, M. Nazimuddin, Saeed SA. Medicinal Properties of Pakistani Honey. Paper presented in 10th International Symposium on Natural Product Chemistry, January 2006, Karachi, Pakistan.

Azim MK, Mesaik MA, **Simjee SU**, Auranzeb M, M. Nazimuddin, Saeed SA. Medicinal Properties of Honey from Northern Pakistan. 1st International Conference on the Medicinal Uses of Honey (From Hive to Therapy). 26th - 28th august 2006, Malaysia

Raza M, Zeeshan M, **Simjee SU**. Seizure Protection by Delphinium specie. Source: Molecular Biology of the Cell Volume: 17 Supplement: S Published: 2006

Jawed H, **Simjee SU**, Saeed SA. C-Reactive Protein and Lipoprotein Levels in the Blood Serum of Collagen-Induced Arthritic (CIA) Rats. 10th International Symposium on Natural Product Chemistry, January 1006, Karachi, Pakistan.

Perveen H, Anjum S, Rizvi N, **Simjee SU**. *Antiepileptogenic Action of Allium cepa (piyaz) in PTZ-Induced Kindling in Mice*. 10th International Symposium on Natural Product Chemistry, January 2006, Karachi, Pakistan.

Raza ML, Perveen H, Zeeshan M, Shaheen F, **Shabana U Simjee**. Anticonvulsant Action of DNS-II Acetone Fraction of *Delphinium nordbagenii* against Picrotoxin-induced seizures in Mice. 10th International Symposium on Natural Product Chemistry, January 2006, Karachi, Pakistan.

Bano H, Mehmood ZA, Ahmed W, Azher I, **Simjee SU**. *In vitro* Anti-*Helicobacter pylori* Activity of Ethanolic Extracts Prepared from Three Different Pakistani Plants. Poster presented in 10th International Symposium on Natural Product Chemistry, January 2006, Karachi, Pakistan.

Raza ML, Perveen H, Zeeshan M, Ali L, Ahmad M, Shaheen F, **Simjee SU**. Extraction of Bioactive Constituent from *Delphinium nordbagenii*. 40th IUPAC Congress, August 2005, Beijing, China.

Bano H, **Simjee SU**. Anti-leishmanicidal and anti-bacterial activity of crude ethanolic extract XL001 of *Xanthium strumarium* L. Poster presented in AFASSA Symposium on Natural Products & Regional Meeting, July 2005, ICCBS, University of Karachi.

Raza ML, Perveen H, Zeeshan M, Ahmad M, Malik LA, Rizvi T, Shaheen F, **Simjee SU**. Anticonvulsant Activity of DNS-II Acentone Fraction of *Delphinium nordbagenii*. Poster presented in AFASSA Symposium on Natural Products & Regional Meeting, July 2005, International Center for Chemical Sciences, University of Karachi.

Zeeshan M, Ahmad M, Raza L, Perveen H, Rizvi T, Jawed H, Malik LA, **Simjee SU**, Shaheen F. Active Principle of Bioactive Constituents from *Aconitum violaceum*. Poster presented in AFASSA Symposium on Natural Products & Regional Meeting, July 2005, International Center for Chemical Sciences, University of Karachi.

Shabana U Simjee, Farzana Shaheen. Anticonvulsants from Medicinal Plants. Paper presented in AFASSA Symposium on Natural Products & Regional Meeting, July 2005, International Center for Chemical Sciences, University of Karachi.

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