

Dr. NADEEM SHEIKH

Ph.D., Post doctorate (Germany), Post doctorate (Harvard, USA). CWT Fellow (Imperial College, London).

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Objective

To excel my knowledge and experience in Bio-medical research and achieve the goals for the betterment of human kind.

Specialization and Summary of Qualifications

- Molecular Biologist/ University Teacher/Researcher
- Over 15 years of extensive University teaching to Undergraduate, postgraduate and Ph.D. scholars and biological research/supervision experience, proficient in variety of molecular, cellular and biochemical techniques, including but not limited to performing eukaryotic cell culture and establishing experimental animal models.
- Experienced in advanced molecular biology techniques including DNA & RNA extraction, protein isolation, electrophoresis and western blotting, Immuno-histochemistry, light microscopy and Real Time polymerase chain reaction (PCR), Virology and Oncology. *In vitro* cell culture, Virus toxicity assay, Tumor induction in mouse model, Virotherapy of tumors, Survival assay etc.
- Experienced in using molecular biology research tools, MS office, Graph-pad, Image-J, Reference Manager etc.
- Active research supervision, publication and conference participation with oral and poster presentations.

Teaching and Research Experience

- **Director Center for Applied Molecular Biology (CAMB) [Nov. 2016 – Continued]**
- **Associate Professor [TTS] [2014 – Continued]**
Department of Zoology (University of the Punjab, Lahore, Pakistan)
Postgraduate, M. Phil and Ph.D. teaching and Research guidance to the students. Career counseling and International Scholarship recommendation, Member departmental doctoral program committee and Board of studies in Zoology.
- **Assistant Professor [TTS] [2008 – 2014]**
Department of Zoology (University of the Punjab, Lahore, Pakistan)
Postgraduate, M. Phil and Ph.D. teaching and Research guidance to the students. Career counseling and International Scholarship awards to the five students on personal recommendations.
- **Visiting Associate Professor [2011 to 2012]**
Department of Internal Medicine, Division of Gastroenterology, University of Medicine, Göttingen, Germany.
- **Post-Doctoral research fellow [2009 to 2010]**

Brain Tumor Research Center, Massachusetts General Hospital, Harvard Medical School, Harvard University, Boston, MA 02114 USA.

“Oncolytic herpes simplex virus vectors expressing therapeutic transgenes for the treatment of neurofibromatosis type 1 (NF1) and Glioblastoma (GBM) tumor.”

- **Visiting Post-doctoral [CWT] Research Fellow** **[October 2008]**
Department of Entomology, (Systematics and Evolution Section, Natural History Museum, Imperial College, London, UNITED KINGDOM).
Molecular Systematics of Beetles. Genomic DNA isolation, amplification and sequencing. Cluster analysis.
- **Post-Doctoral Visiting Research fellow** **[2006 to 2007; Sept., 2008]**
Department of Internal Medicine, (Division of Gastroenterology and Endocrinology, University of Medicine, Göttingen, GERMANY).
Revision of the research papers and experimental work. Guidance to the Medical and PhD students. Designing and execution of research projects. Guidance to the Medical research and PhD students. Experimental work, analysis of the data and publishing the research findings in reputed international Journals.
- **Lecturer** **[2001 to 2008]**
Department of Zoology (University of the Punjab, Lahore, Pakistan).
Teaching B.S., M.S., M.Sc., M. Phil and PhD classes Cell Biology, Molecular Biology, Advances in Molecular Biology, Introduction to Cancer Biology, Cell and Molecular biology of Cancer, Evolution, Principles of Systematics, Animal Diversity. Guidance and supervision of the graduate and postgraduate students in the research projects.
- **Deputy Director Research and Development** **[Sciences; 2007 to 2009]**
University of the Punjab, Lahore, Pakistan.
Additional appointment to assist R&D directorate of the University of the Punjab to administer the research activities, funding, scholarships and developing the links with international Universities.
- **Ph.D. stipendium** **[2004 to 2006]**
Postgraduate Program (GRK335), (Clinical, Cellular and Molecular Biology of Internal Organs, Georg-August University, Göttingen, Germany). Animal handling, developing the animal models, Planning and executing the experiments, analysis of the data and publishing the findings in reputed international Journals.

Educational Background

- **Ph.D.** (Georg-August University, Göttingen, Germany) **[01-03-2004 to 31-10-2006]**
Completed the degree in 2 years and 8 months with 04 first author international publications.
Thesis Title: “*Regulation of gene expression of hepcidin and of other proteins of the iron metabolism in the liver and in the extrahepatic tissues: in vivo and in vitro studies in different rat models*”.
- **M.Sc.** (University of the Punjab, Lahore, Pakistan) **[1997 to 1999]**
Secured First class first position in the University and awarded three Gold medals.

Skills

Brain Tumor research center, Harvard Medical College, Harvard University USA.

Virology and Oncology. *In vitro* cell culture, Virus toxicity assay, Tumor induction in mouse model, Virotherapy of tumors, Survival assay etc.

Natural History Museum, London;

Molecular Systematics, Genomic DNA Isolation, amplification and sequencing, Natural History museum, London.

Georg-August University Göttingen;

Real Time PCR, Translation studies, Generation of animal models, *in vitro* cell culture, Generation of Transposons, Promoter activation analyses in primary rat hepatocyte cultures transiently transfected with promoter-reporter gene (luciferase) constructs, Computer-assisted methods in molecular biology (data bases, online tools, protein structure), RNA isolation, Northern blotting, *in situ* hybridization, Biosynthetic Labelling, Immunocyto- and -histochemistry, Laser scan microscopy, Expression and purification of proteins in *Campylobacter jejuni*, Microdissection in analysing nephron and other organ structures. The use of a lasercapture microscope, High resolution digital microscopy and multi-fluorescence imaging (cell culture and cytopsin), *In situ* hybridisation to visualise pancreas and liver development in *Xenopus* embryos, Florescence-activated cell sorting, Electrophysiological characterization of sodium-dicarboxylate co-transporters expressed in *Xenopuslaevis* oocytes, Introduction into the generation of transgenic mice, Adenovirus-mediated gene transfer into cultured cardiac myocytes, 2D-Gel electrophoresis, MALDI-TOF mass spectrometry, SELDI-TOF MS.

Achievements, Awards and Distinctions

- Award of Prof. Dr. A. R. Shakoori Gold Medal 2015 for research in Biological sciences awarded by Zoological society of Pakistan (Conferred on 01-03-2015 at Karachi).
- Gold Medals (First class first position in M.Sc.)
 - Sir William Roberts Gold Medal [University of the Punjab, Lahore, Pakistan].
 - University of the Punjab Gold Medal [University of the Punjab, Lahore, Pakistan].
 - Dr. Muzzafar Ahmad Gold Medal [Zoological Society of Pakistan].
- Higher Education Commission [HEC] Post-doctoral fellowship Phase II (Batch-III, 2008) to work in Harvard Medical School, Harvard University, USA.
- Received Research Productivity award for the year 2012 “Category G” (PKR 50000/-).
- Charles Wallace Pakistan trust fellowship [2008-09] to work in Natural History Museum, London, United Kingdom.
- HEC approved supervisor for MS/M. Phil and Ph.D. research.
- Exchange academic Mobility (1 month) under the EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) to visit the Georg-August University, Göttingen, Germany.
- Local Coordinator in Pakistan for EXPERTS II and III (Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) managed by the Georg-August University, Göttingen, Germany.
- Received an amount of 400,000/- from the budget head “Lump Sum Provision for Research”. (2015-16)
- Received an amount of 1,41,553/- to pay the publication cost from the Lumpsum provision of Book chapters entitled “Chemokines & Their Receptors in Non-Small Cell Lung Cancer Detection and Treatment of Breast Cancer: New Approaches published in the Book entitled “Cancer Management” published by InTech Croatia.
- Received an amount of 70,611/- to pay the publication cost from the Lumpsum provision of Book chapter entitled “Chemical control and health risks” accepted for publication in the Book “Insecticides” published by InTech Croatia.
- Received an amount of 27,876/- to pay the publication cost from the Lumpsum provision of research for publication of research paper “An overview of chemoprevention of cancer” in Healthmed journal. (19-08-2011)
- Received an amount of 27,299/- to pay the publication cost from the Lumpsum provision of research for publication of research paper “Hematological and serological changes in the pre- and post-treatment breast cancer patients” in Healthmed journal (15-07-2011).
- Received an amount of 100,000/- from the budget head “Lump Sum Provision for Research” (2010-11).

- DFG [Deutsche Forschungsgemeinschaft] Scholarship by GRK335 for Ph.D. studies in Georg-August University, Göttingen, Germany.

Travel Grants

- Received PU Travel Grant (PKR 2,52,045/-) to Participate in GASL, Düsseldorf, Germany (February 2016).
- Received Supplementary HEC Grant (PKR 1,52,775/-) to Participate in APASL, Brisbane, Australia (March 2014).
- Received HEC Travel Grant (1500 AUD) to Participate in APASL, Brisbane, Australia (March 2014).
- Received PU Travel Grant (PKR 2,52,068/-) to Participate in GASL, Tubingen, Germany (January 2014).
- Received HEC Travel Grant (PKR 2,46,420/-) to Participate in APASL, Singapore (June 2013).
- Received PU Travel Grant (PKR 1,99,922/-) to Participate in GASL, Regensburg, Germany (January 2011).
- Received HEC Travel Grant (PKR 1,47,650/-) to Participate in APASL, Bangkok, Thailand (February 2011).
- Received PU Travel Grant (PKR 1,34,500/-) to Participate in GASL, Heidelberg, Germany (January 2009).
- European association for the study of liver (EASL) young investigator's bursary 210/- € to participate in the 41st EASL conference in Vienna, Austria.
- Award of 1800/- € to participate in the Heme-oxygenase conference in Boston, USA

Incentive Awards

- Received incentive award of Rs. 34,700/- for research Publications in 2008.
- Received incentive award of Rs. 30,000/- for research Publications in 2007.
- Received incentive award of Rs. 50,000/- for research Publications in 2006.

Collaboration

- Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Göttingen Germany.
- Collaboration with the University of Lahore for research project.
- Collaboration with Institute of Nuclear Medicine and Oncology Lahore.
- Collaboration with LCWU, Lahore
- Collaboration with PCSIR laboratories Lahore.

International/National Projects

Exchange Scholarship projects

- EXPERTS III Project (Exchange by promoting quality education research and training in South and South East Asia) Georg-August University, Göttingen, Germany. More than 10 students were granted scholarships to study as exchange students.
- EXPERTS II Project (Exchange by promoting quality education research and training in South and South East Asia) Georg-August University, Göttingen, Germany. More than 10 students and faculty members visited EU universities after successful award of scholarship.

Research Projects

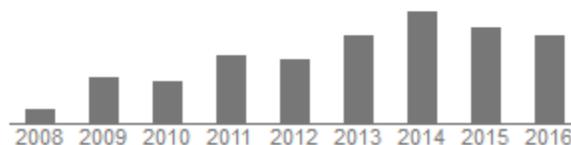
Sr.	Title	Fiscal Year	Funding	Status
Higher Education Commission				
1.	Obesity induced inflammation in rats and changes in the expression of acute phase and iron metabolism proteins	2013-onwards	4.0M	Awarded
2.	Oncolytic herpes simplex virus vectors expressing therapeutic transgenes for the treatment of neurofibromatosis type 1 (NF1) and Glioblastoma (GBM) tumor.	2009-10	28000 USD	Completed
University of the Punjab				
3.	Toxicity caused by short and long term exposure of BPA	2015-16	PKR 150,000/-	Ongoing
4.	Effect of metal dust on workers of cutlery industry in Wazirabad, Pakistan	2014-15	PKR 150,000/-	Completed
5.	Study of Toxic effects of paper industry leachate in <i>Rattusnorvegicus</i>	2013-14	PKR 150,000/-	Completed
6.	Toxic effects of acute intra-peritoneal administration of iron and copper in Wistar Rat.	2012-13	PKR 150,000/-	Completed
7.	Immuno-histochemical localization of hepatic acute phase proteins under effect of <i>mentha</i> and <i>eucalyptus</i> oils administration in Wistar rats.	2011-12	PKR 150,000/-	Completed
8.	Diet Induced obesity and inflammation studies in rat, impact on liver functionality	2010-11	PKR 150,000/-	Completed
9.	Study of serum protein and blood profile of renal failure patients.	2008-09	PKR 100,000/-	Completed
10.	Effects of dehydration on blood and extra-hepatic tissues of rat.	2007-08	PKR 100,000/-	Completed

Research output Summary

Total Citations	430
Total Impact factor	140.412
h-index	10
i-10 index	10
Papers published in international Journals (with Impact factor)	32
*Papers published in Local (Pakistani) Journals (with No Impact factor)	17
Reviews published	3
Chapters contributed to the international Books	3
Conference Publications	61

Citation Index (Google Scholar)

Citation indices	All	Since 2011
Citations	430	338
h-index	10	10
i10-index	10	10



(Source Google Scholar)

Full length Papers and Reviews published [Impact factor]

2016

1. Khawar M. B. Azam F. Sheikh N. and Mujeeb K. A. 2016. How Interlukin-22 mediates Liver regeneration, prevents injury and Fibrosis? *Journal of Immunology Research*. Volume 2016, Article ID 6837824 [Impact factor 2.812].
2. Ghafoor S. and SHEIKH N. 2016. Eradication and Current Status of Poliomyelitis in Pakistan: Ground Realities. *Journal of Immunology Research*. Volume 2016, Article ID 6837824 [Impact factor 2.812].
3. Akhtar T. and SHEIKH N. 2016. Induction of acute phase in response to tacrolimus induced hepatotoxicity. *Punjab Univ. J. Zool.*, 31(1):77-82. [HEC "Y" Category]
4. Khawar M.B. and SHEIKH N. 2016. Effect of paper industry leachate on various serological indices and serum proteins of wistar rats. *Punjab Univ. J. Zool.*, 31(1): 39-46. [HEC "Y" Category]
5. Akhtar T. and SHEIKH N. 2016. Chemopreventive prospective of dietary spices against hepatocellular carcinoma. *Current Science*, 110 (4): 579-83. [Impact factor 1.40].
6. Abbas A.S. and SHEIKH N. 2016. Counter effects of *N. Sativa L.* and *P. ovata L.* on indicative markers of non alcoholic fatty liver disease. *Pak. J. Pharm. Sci.*, 29(1):185-191 [Impact factor 0.682]
7. Akhtar T., SHEIKH N. and Abbasi M.H. 2016. Alternative therapeutic approaches: Hepatoprotective effect of *Nerium oleander* extract in thioacetamide induced hepatotoxicity *International Journal of Clinical and Experimental Medicine* (Accepted) [Impact factor 1.277]

2015

8. Khawar B., Abbasi M.H. and SHEIKH N. 2015. A panoramic spectrum of complex interplay between the immune system and IL-32 during pathogenesis of various systemic infections and inflammation. *European Journal of Medical Research*. 20:7 DOI 10.1186/s40001-015-0083-y [Impact factor 1.40].
9. ¹⁷SHEIKH, N., 2015. Effectiveness of Tenekil, Termidor and Terminus to *Microtermes Obesi* (Isoptera: Termitidae). *Pak. Entomol.*, 37(2):151-154. [HEC "Y" Category]
10. ¹⁶Abbasi M.H., Khawar B., Mehmood R., Akhtar T. and SHEIKH N. 2015. Changes in Proteins, Transaminases Activity and Leucocyte Count during *Nerium oleander* Induced Toxicosis in Wistar Rats. *Biologia* (Pakistan), 61 (1), 47-53 [HEC "Z" Category]
11. ¹⁵Abbas A.S., SHEIKH N., Manzoor F. 2015. Effects of *Nigella sativa* Seeds and *Plantago ovata* Husk on Fat Rich Diet Induced Inflammatory Responses in *Rattus norvegicus*. *Biologia* (Pakistan). 61 (2), 211-218. [HEC "Z" Category]
12. ¹⁴Mehmood R. and SHEIKH N. 2015. Effect of Metal Dust on Workers of Cutlery Industry in Wazirabad, Pakistan. *Biologia* (Pakistan) 61 (2), 319-324 [HEC "Z" Category]

2014

13. ¹³Akhtar T., SHEIKH N. and Abbasi M.H. (2014). Clinical and pathological features of *Nerium oleander* extract toxicosis in wistar rats Akhtar et al. *BMC Research Notes*; 7:947 <http://www.biomedcentral.com/1756-0500/7/947>

14. Munir Z. M. **SHEIKH N.** and Shams A. (2014) Ex-situ bioremediation of ink waste. Eurasia waste management symposium (28-30 April 2014), Istanbul/ Turkey.
15. Munir Z. M., **SHEIKH N.** AND Farooki A., 2014. Self-Sustainable Low Cost Solid Waste Management. (Accepted in Waste Management & Research) [**Impact factor** 1.047]Eurasia waste management symposium (28-30 April 2014), Istanbul/ Turkey.
16. Nadeem, A., Baig, S., Iqbal, K. & **SHEIKH, N.**, 2014. Impact of Laccase Enzyme Inducers on Solid Waste Compost Maturity and Stability. *Environmental Technology*, 1-28. [**Impact factor** 1.606]
17. ^{*12}**SHEIKH N**, Younas N, and Akhtar T., 2014. Effect of Carica papaya leaf formulation on Hematology and Serology of normal rat. *Biologia* 60(1) 139-42. [**HEC "Z" Category**]
18. ^{*11}Abbasi M.H., Fatima S. and **SHEIKH N.**, 2014. Histological comparison of natural and toxicant induced lung injury in *Rattus norvegicus*. *Biologia* 60(1) 135-8. [**HEC "Z" Category**]
19. ^{*10}Akhtar T., **SHEIKH N.**, Abbasi M.H., and Abbas A.S., 2014, Effects of *Nerium oleander* leaves extract against Thioacetamide induced Liver injury. *Biologia* 60(1); 37-41. [**HEC "Z" Category**]
20. ⁹**SHEIKH N.**, Javed S., Asmatullah, Ahmad K.R., Abbas T. and Iqbal J. Histological studies of the lung and liver tissues of pyrethroid exposed mice. *Walailak J Sci& Tech*, 11(10), 843-9.
21. ⁸**SHEIKH N.**, Shaukat A. & Javaid H. (2014). Human papilloma virus. *Sci. Int (Lahore)*, 26(1), 259-260. [**HEC "Z" Category**]
22. Abbas A.S., Abbasi M.H., Malik I.A. & **SHEIKH N.** (2014). Non-alcoholic fatty liver disease and associated changes in serum hepcidin, iron, ferritin-r levels and total iron binding capacity in weaning wistar rats (*Rattus norvegicus*). *The JAPS*, 24(2): 418-24. [**Impact factor** 0.638].
23. Nadeem A., Baig S. and **SHEIKH N.** Mycotechnological Production of Laccase by *Pleurotus ostreatus*-P1 and its inhibition Study. *The JAPS*. 24(2). 24(2): 492-502 [**Impact factor** 0.638].

2013

24. Abbasi M.H., Fatima S., Naz N., Malik I. A., and **SHEIKH N.** Effect of *Nerium oleander* (N.O.) leaves extract on serum *hepcidin*, total iron, and infiltration of ed1 positive cells in albino rat. *BioMed Research International* Volume 2013, Article ID 125671, <http://dx.doi.org/10.1155/2013/125671> [**Impact factor** 2.880].
25. **SHEIKH N.**, Fayyaz Z., Anjum H, Qureshi A.W. and Iqbal J. 2013. Expression of low molecular weight proteins in different age groups of the renal failure patients. *Balkan J health sciences* 1(2), 57-62
26. Akhtar T. and **SHEIKH N.** 2013 An overview of thioacetamide induced hepatotoxicity. *Toxin Reviews*, 32, (3)43-6. [**Impact factor** 1.171].
27. Ahmad S., Moriconi F., Naz N., Sultan S., **SHEIKH N.**, Ramadori G., Malik I.A. 2013. Ferritin L and ferritin H are differentially located within hepatic and extra hepatic organs under physiological and acute phase conditions. *Int J Clin Exp Pathol*, 6(4):622-629 [**Impact factor** 1.893].
28. Qureshi, A.W., Akhtar T, and SHEIKH, N., Effect of *Nigella sativa* and *Fumariaparviflora* on Serum protein profiles of naturally infected Buffaloes (*Bubalus bubalis*) with *Fasciola Sp.* *HealthMed Journal*, 7(1); 333-337 [**Impact factor** 0.435].
29. Abbasi M.H. Akhtar T., Malik I.A., Fatima S., Khawar B., Mujeeb K.A., Mustafa G., Hussain S., Iqbal J., and **SHEIKH N.** 2013 Acute and chronic toxicity of thioacetamide and Alterations in Blood cell indices in rats. *Journal of Cancer Therapy*, 4, 251-259 [**Impact factor** 0.18].

2012

30. **SHEIKH N.**, Abid R., Qureshi A. W. and Basher T. Study of expression of low molecular weight proteins in different age groups of leukemia patients. *WIMJ*. 61(3): 235-9 [**Impact factor** 0.34].
31. Naz N., Mallik IA, **SHEIKH N.**, Ahmad S., Khan S., Blaschke M., and Ramadori G. Ferroportin-1 is a nuclear negative acute-phase protein in rat liver: A comparison with other iron-transport proteins. *Lab invest* 92(6):842-56. [**Impact factor** 4.405]
32. **SHEIKH N.**, Khawar A. and Jannat R. An overview of chemoprevention of cancer. 2012 *HealthMed Journal* 6(1); 103-6 [**Impact factor** 0.435]

2011

33. **SHEIKH N.**, Masood M. and Naz N. Hematological and serological changes in the pre- and post-treatment breast cancer patients. 2011, *HealthMed Journal* 5(6); 1449-57 [**Impact factor** 0.331]

34. Iqbal Z., Manzoor F., Iqbal M., Ali S., **SHEIKH N.**, Khan M., Aleem A., Akhtar T. Frequency of Bcr-Abl Fusion Oncogene Splice Variants Associated with Chronic Myeloid Leukemia (CML) *Journal of Cancer Therapy*, 2011, 2, 176-180. [**Impact factor**0.18]
35. Malik I., Naz N., **SHEIKH N.**, Khan S., Moriconi F., Blaschke M., and Ramadori G; Comparison of changes in the gene expression of transferrin receptor-1 and other iron regulatory proteins in the rat liver and brain during acute-phase-response. *Cell and Tissue research*. 344: 299-312. DOI 10.1007/s00441-011-1152-3 [**Impact factor** 2.804]
36. Manzoor F., Chaudhary M., **SHEIKH N.**, and Khan I.A. 2011. Diversity and proportion of termite species in garden trees and wheat crop in district Bhakkar, Pakistan. *Pakistan Journal of Zoology*. 43(3), 537-41, [**Impact factor** 0.18]
37. **SHEIKH N.**, Naz N. and Qureshi A.W. Impact of the workplace environment on the hematology and serology of the steel industry workers. *HealthMed* (2011), 5(1): 35-40 [**Impact factor** 0.331].

2010

38. Malik I.A., Baumgartner B.G., Naz N., **SHEIKH N.**, Moriconi F. and Ramadori G. Changes in gene expression of DOR and other thyroid hormone receptors in rat liver during acute-phase response. *Cell and tissue research* (2010), 342: 261-272 [**Impact factor** 2.804]
39. **SHEIKH N.**, Qureshi A. M., Latif M. U. & Manzoor F. Study of temperature treated woods for the preference and first food choice by *Odontotermesobesus* (isoptera: termitidae) *Sociobiology* (2010), 56(2); 363-73 [**Impact factor** 0.534]
40. Malik I.A., Moriconi F., **SHEIKH N.**, Naz, N. Khan S., Dudas J., Mansuroglu T. Hess C.F. Fraenk M., Christansen H. and Ramadori G. Single-dose gamma-irradiation induces up-regulation of chemokine- gene expression and recruitment of granulocytes into the portal area but not into other regions of rat hepatic tissue. *American Journal of Pathology*. (2010), 176(4); 1801-1815 [**Impact factor** 5.917]
41. ²Manzoor F., **SHEIKH N.**, and Zawar A. Laboratory and field evaluation for the resistance of commonly used woods against *Coptotermesheimi* (Wasmann). *Nature Precedings* <http://hdl.handle.net/10101/npre.2010.4485.1> (2010).

2009

42. Ramadori P., **SHEIKH N.**, Ahmad G., Dudas J. and Ramadori G. Hepatic changes of erythropoietin gene expression in a rat model of acute-phase response. *Liver International*. 30(1); 55-64, [**Impact factor** 3.840]
43. ⁶**SHEIKH N.**, Abid R. and Malik I.A. Metal toxicity I: Cadmium, *Pakistan Journal of Science* 2009. 61(1):55-59. [**HEC "Z" Category**].
44. ⁵**SHEIKH N.**, Abid R and Bashir T. Changes in the serum iron, aminotransferases and blood profile of the pre-treatment leukemia patients. *Pakistan Journal of Science* 2009; 61(2): 85-90 [**HEC "Z" Category**].
45. Moriconi F., Ahmad G., Ramadori P., Malik I., **SHEIKH N.**, Merli M., Riggio O. , Dudas J. and Ramadori G. Phagocytosis of gadolinium or zymosan induces simultaneous upregulation of hepcidin and downregulation of hemojuvelin and fpn-1 in murine liver. *Laboratory Investigation* 89: 1252-60. [**Impact factor** 4.602]
46. Manzoor F., Ahmed B.M., Malik S.A. and **SHEIKH N.** Repellency, Toxicity and Tunneling Ability of *Coptotermesheimi* (Isoptera: Rhinotermitidae) in Response to Biflex®, Termidor® and Tenekil®. *Sociobiology* 2009 Vol. 54(1): 161-73. [**Impact factor** 0.557].
47. **SHEIKH N.** Repellent and toxic effects of Biflex, cypermethrin and dursban to *Microtermesobesi* (Isoptera: Termitidae) *Sociobiology* 2009 Vol. 53(3): 843-50. [**Impact factor** 0.557].
48. ⁴**SHEIKH N.**, Irfan S. and Naz N. Effects of *Nerium oleander* to the subterranean termite *Coptotermesheimi* (Wasmann). *Pakistan Journal of Science* 2009; 61(1):29-31. [**HEC "Z" Category**]
49. Novosyadlyy R., Lelbach A., **SHEIKH N.**, Tron K., Pannem R., Ramadori G. and Scharf J. G. Temporal and spatial expression of IGF-1 and IGFBP-1 during acute-phase response induced by

localized inflammation in rats. *Growth Horm IGF Res.* 2009 Feb;19(1):51-60 [**Impact factor; 2.352**]

2008

50. Moriconi F., Christiansen H., Raddatz D., Dudas J., Hermann R. M., Rave-Fränk M., **SHEIKH N.**, Saile B., Hess C. F. and Ramadori G. Effects of irradiation on gene expression of rat liver chemokines: *in vivo* and *in vitro* studies. *Radiation. Research.* 2008; 169: 162-9. [**Impact factor; 3.043**]
51. **SHEIKH N.**Manzoor F., Ahmed R., Naz N. and Malik S. A. Laboratory study of repellency and toxicity of tenekil, termidor and terminus against subterranean termite *Heterotermesindicola*(Wasmann) in Pakistan. *Sociobiology* 2008; 51(3): 749-64. [**Impact factor; 0.557**]

2007

52. **SHEIKH N.**, Dudas J. and Ramadori G. Changes of gene-expression of iron regulatory proteins during turpentine oil induced acute-phase-response in the rat. *Lab. Invest Dev.* 2007; July 87(7): 713-25. [**Impact factor; 4.479**]
53. **SHEIKH N.**, Christiansen H., Saile B., Reuter F., Rave-Fränk M., Hermann R. M. Dudas J., Hille A., Hess C. F. and Ramadori G. γ -radiation leads to up-regulation of hepcidin and to down-regulation of hemojuvelin and ferroportin-1 gene expression in rat liver. *Radiology* 2007; 242(1):189-197. [**Impact factor; 5.561**]

2006

54. **SHEIKH N.**, Batusic D.S., Dudas J., Tron K., Neubauer K., Saile B. and Ramadori G. Hepcidin and Hemojuvelin gene-expression in rat liver damage; *in vivo* and *in vitro* studies. *Am. J Physiol Gastrointest. Liver Physiol Dev.* 2006 Sept; 291(3): G482-90. [**Impact factor; 3.681**]
55. **SHEIKH N.** Tron K., Dudas J. and Ramadori G. Cytokine induced neutrophil chemoattractant-1 is released by the noninjured liver in a rat acute-phase model. *Lab Invest Dev.* 2006 Aug; 86(8): 800-14. [**Impact factor; 4.453**]

2005

56. ³**SHEIKH N.**Bano A. S. and Akhtar M. S. Morphometric analysis of population samples of *Microtermesmycophagus*(Desneux) from Pakistan. *Punjab Uni. J Zool.* 2005; 20(2): 181-190. [**HEC "X" Category**].

2002

57. ²**SHEIKH N.** and Akhtar M.S. Tunneling ability of *Heterotermesindicola*(Wasmann) to biflex and termidor through termicide treated soil. *Punjab Uni. J Zool.* 2002; 17: 134-8. [**HEC "X" Category**].

2001

58. ¹Akhtar M.S. and **SHEIKH N.** Responses of *Heterotermesindicola* (Wasmann) to biflex and termidor. *Punjab Uni. J Zool.* 2001; 16: 27-36 [**HEC "X" Category**].

Book Chapters

59. **SHEIKH N.** (2012). Health and Insecticides, Insecticides - Advances in Integrated Pest Management, FarzanaPerveen (Ed.), ISBN: 978-953-307-780-2, InTech, Croatia.
60. **SHEIKH N.**, Shehzadi, S and Batool A.(2012). Breast Cancer Therapy: New approaches in Cancer Detection. ISBN979-953-307-564-7, InTech, Croatia.
61. **SHEIKHN.**, Akhtar T and Riaz N. (2012). Chemokines & Their Receptors in Non-Small Cell Lung Cancer Detection. ISBN979-953-307-564-7, InTech, Croatia.

Abstracts in international peer reviewed Journals/Proceedings

2016

1. Akhtar T., Nadeem Sheikh N. 2016. Tacrolimus induced acute hepatotoxicity in wistar rats. *Hepatol Int* 10 (Suppl 1): S346, P-0732
2. Khawar M.B., SHEIKH N., Mehmood R. and Naeem F. 2016. Hepatotoxicity of industrial leachate; histopathology and heavy metal contents in liver. *Hepatol Int* (2016) 10 (Suppl 1):S346, P-0731

3. SHEIKH N., Akhtar T., Shan T. and Ghazanfar R. 2016. Tacrolimus induced nephrotoxicity and pulmonary toxicity in wistar rats. *Hepatology Int* (2016) 10 (Suppl 1):S487, LBP-080
4. Sheikh N., Hussain M. and Akhtar T. 2016. Histopathological alterations in nervous, cardiac and pulmonary tissues induced by thioacetamide. *Hepatology Int* (2016) 10 (Suppl 1):S487 LBP-081
5. Mehmood R. and Sheikh N. 2016. Variations in red cell indices and protein profiling due to the exposure of metallic dust. *Hepatology Int* (2016) 10 (Suppl 1):S488, LBP-082
6. Khawar M.B. and N Sheikh N. 2015. Effect of paper industry leachate on various serological indices and serum proteins. *Z. Gastroenterol* 2015; 53 - A3_14, DOI: 10.1055/s-0035-1568034

2015

7. Abbas A.S., N Sheikh N. and Batool S. (2015) NAFLD linked hepatic iron stores and impact of fat reducing agents on males and females *Rattus norvegicus*. *Z Gastroenterol* 2015; 53 A2_19 DOI: 10.1055/s00341397113
8. Abbas A.S. and SHEIKH N. (2015) Gender linked counter effect of *N. sativa* seeds and *P. ovata* husks on fibrosis in NAFLD. *Z Gastroenterol* 2015; 53 A1_20 DOI: 10.1055/s00341397061
9. Abbasi M.H., Sheikh N., Sharif Z., Kanwal S. And Khawar B. (2015) Damage and recovery of hepatic tissue of *Mus musculus* inhabited at metallurgical workshop. *Z Gastroenterol* 2015; 53 A1_9 DOI: 10.1055/s00341397050
10. Akhtar T. and SHEIKH N. (2015) Hepatoprotective Role of *Nerium Oleander* in Thioacetamide Induced Chronic Inflammation. *Z Gastroenterol* 2015; 53 A1_23 DOI: 10.1055/s00341397064

2014

11. Abbas A.S., Farrukh A., Shafique M., Akhtar T., **SHEIKH N.** 2014. Experimental NAFLD and impact of *N. sativa* and *P. ovata* on hepatic iron overload and fibrosis in weaning and adult rats *Hepatology International* 8; S341
12. **SHEIKH N.**, Farrukh A., Abbas A.S. 2014. Acute iron and copper toxicity: variations in gene expression of some iron regulatory proteins in rat liver *Hepatology International* 8; S332
13. **SHEIKH N.**, Farrukh A and Abbas A.S., 2014. Changes in serum protein profile due to iron- and copper- induced toxicity in *Rattus norvegicus*. *Falk Workshop (Germany)* 25p.
14. **SHEIKH N.**, Farrukh A., Shafiq M. Manzoor H, and Mushtaq Q. 2014. Histopathological and histochemical alterations due to acute iron and copper intoxication in rat liver, *Falk Workshop (Germany)* 26p.
15. **SHEIKH N.**, Farrukh A., Akhtar T. and KKashif-ur-Rehman 2014. Impact of acute iron and copper intoxication on biochemical liver function in Wistar rat *Falk Workshop (Germany)* 27P.

2013

16. Abbasi M. H., Fatima s., Naz N., Shahid M. A., Iqbal A., Abbas A. S. and **SHEIKH N.** Hepatic injury with *Nerium oleander* (N.O.) leaves extract: Associated changes in serum *hepcidin* and Total Iron in albino rat. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
17. Naz N., Malik I.A., Ahmad S., Sheikh N., Ramadori G. Ferroportin 1 is a “nuclear” negative acute-phase Protein in rat liver: a comparison with other Iron-transport proteins. *Journal of Hepatology* 58, S1; S145-S146 **[Impact factor]**
18. **SHEIKH N.**, Shafiq M. Peppermint oil induced hepatic acute phase response and hemotoxicity. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
19. Abbas A. S., **SHEIKH N.** Serological changes and counter effect of medicinal plant in experimental NAFLD in rats. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
20. **SHEIKH N.**, Shaheen H., Akhtar T., Muddasir H. Abbasi, Shafiq M. and Iqbal J. Thioacetamide tempted histological variations in the kidney of wistar rats. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
21. **SHEIKH N.**, Younas N., Akhtar T., Muddasir H. Abbasi, Shafiq M. and Iqbal J. Effect of oral administration of TAA on the Histology of small intestine of Wistar rats. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**

22. **SHEIKH N.**Shafiq M. and Younas N. Oral administration of Papaya leaf extract leads to increase in PLT count. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
23. Abbasi M. H., Fatima S., Mujeeb K. A., Khawar B. , **SHEIKH N.** Dose screening of *Nerium oleander* (N.O.) and acute-phase response in rats: A Hematological and Histological reflection. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
24. Akhtar T., Muddasir H. Abbasi, Iqbal J., Shafiq M. and **SHEIKH N.** Histological changes in the rat liver administered with the *Neriumoleander* leaves extract. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
25. Akhtar T., Muddasir H. Abbasi, Shafiq M., Afshan S. Abbass, Iqbal J. and **SHEIKH N.**Serum protein profile in TAA induced chronic liver inflammation in rats. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
26. Akhtar T., Muddasir H. Abbasi, and **SHEIKH N.** Hematological and serological changes in rat under the influence of *Nerium oleander* leaves extract. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
27. Shafiq M., Zafar S., Schmitz M., Sheikh N., Zerr I. Temporal degradation of prion biomarkers and relative efficacy of different storage tubes. Presented at Prion Conference 2013 in Banff Canada from May 26-20 2013.
28. Naz N., Ahmad S., Sheikh N., Malik I.A. Ferritin L and Ferritin H are differentially located within hepatic and extra hepatic organs under physiological and acute phase conditions. (APASL 2013, Singapore 06-10 June 2013.) **[Impact factor 2.963]**
29. Naz N., Malik I. A., Sheikh N., Ahmad S. and Ramadori G. Differential localization of iron transport proteins in rat liver and spleen during acute phase response. GASL 2013 **[Impact factor 1.026]**
30. Abbas A.S. and Sheikh N. Age associated differential activity of *Nigella sativa* and *Plantago ovata* against NAFLD.
31. Abbas A.S. and Sheikh N. .Variations in total protein concentration in diet induced NAFLD adult *Rattusnorvegicus*

2012

32. Naz N., Ahmad S., **SHEIKH N.**,Mihm S., Ramadori G. and Malik I.A. Ferritin L is the sole serum ferritin constituent and a positive hepatic acute phase protein J Cell SciTher 3(8);99.**[Impact factor3.27]**
33. Naz N., Malik I., Sheikh N., Ahmad S., Khan S. and Ramadori G. Ferroportin-1 behave as a negative acute phase protein in rat liver. Z Gastroenterol 2012; 50 - K375 DOI: 10.1055/s-0032-1324309 **[Impact factor 1.026]**
34. Abbas A.S., Abbasi M.H. and Sheikh N. NAFLD and associated changes in serum Pro-hepcidin, Iron, Ferritin R levels and total iron binding capacity in weaning *Rattusnorvegicus*. Z Gastroenterol 2012; 50 - K035 DOI: 10.1055/s-0032-1323970 **[Impact factor 1.026]**
35. Shafiq M., Zia N. and Sheikh N. Macrocytic anemia and Liver inflammation by Eucalyptus oil. Z Gastroenterol 2012; 50 - K015. DOI: 10.1055/s-0032-1323950 **[Impact factor 1.026]**
36. Abbas A.S. and **SHEIKH N.** Dietary influence on Serology of male and female Wistar rats (adult). Hepatology International, 2012, 6(1) 280 **[Impact factor 2.963]**
37. Abbas A.S. and **SHEIKH N.** and Tariq A. Impact of fatty diet on the serum protein profile of weaning Wistar rats Hepatology International. 2012 6(1); 279 **[Impact factor 2.963]**
38. **SHEIKH N.**,Shafiq M. Acute Phase Response and water retention induced by Peppermint (*Menthapiperita*) oil. Hepatology International. 2012. 6(1); 69 **[Impact factor 2.963]**
39. **SHEIKH N.**, Shafiq M. and Zia N. Intra luminal *Eucalyptus* oil administration induced Hyperbilirubinemia and andhepatocytic injury. Hepatology International. 2012, 6(1); 70 **[Impact factor 2.963]**

2011

40. Malik I.A, Naz N., **SHEIKH N.**, Khan S. and Ramadori G. Comparison of Changes in the Gene Expression of Transferrin Receptor-1 and Other Iron Regulatory Proteins in the Rat Liver and Brain during Acute-Phase-Response. (2011) Modern Pathology 24(1S); 368A **[Impact**

- Factor 4.406]**,Poster presentation at100th annual meeting of USCAP February 26-March 4, 2011Henry B. Gonzalez Convention Center San Antonio, TX, USA.
41. Manzoor F, Latif M.U., **SHEIKH N.** Effect of Different Essential Oils on the Control of Common House Fly (*Musca domestica*) In Pakistan. International Conference on sustainable approaches for pest and vector control management in Pakistan on 21-22 February, 2011 organized by Lahore College for Women University, Lahore in collaboration with WWF, Pakistan. Page 18.
 42. Manzoor F., **SHEIKH N.**, Zawar A. Laboratory and field evaluation for the resistance of commonly used woods against *Coptotermesheimi* (Wasmann). 2nd International Conference of Plant Scientists & 11th National Meeting of Plant Scientists” held on February 22-24, 2011 GC University, Lahore, Pakistan. Pakistan Journal of Botany [**Impact factor 0.520**]
 43. Abbas A.S. and **SHEIKH N.** Changes in the hematology, serum electrolytes and liver histology in diet induced obese rats. Presented at 27th year GASL Regensburg Germany 28-29 January 2011. Z Gastroenterol 2011; 49 DOI: 10.1055/s-0030-1269518 [**Impact factor 1.026**]
 44. **SHEIKH N.**, Naz N., Malik I.A. and Ramadori G. Expression of Transferrin, Transferrin Receptor2 and Hephaestin genes in the models of liver injury. Presented at 27th year GASL Regensburg Germany 28-29 January 2011. Z Gastroenterol 2011; 49 DOI: 10.1055/s-0030-1269600 [**Impact factor 1.026**].
 45. Abbas A. S. and **SHEIKHN.** Gender Based Changes in the Serum Biochemistry of the Weaning Rats due to Diet Composition. (2011). *Hepatology International* 5(1); 179 [**Impact factor 1.725**]
 46. **SHEIKH N.**, Malik I.A. Naz N. and Ramadori G. Expression of iron regulatory genes in CCl₄ induced and partially hepatectomized liver injury models. (2011). *Hepatology International*, 5(1), 56 [**Impact factor 1.725**]

2009

47. **SHEIKH N.**, Abid R., Qureshi A.W., Malik I.A., Basheer T. Study of expression of low molecular weight proteins in different age groups of leukemia patients. *J Physiol Sci.* 59 (S1); 439. 2009 [**Impact factor 0.973**] (In the Proceedings of the XXXVI International Congress of Physiological Sciences (IUPS2009) The Journal of Physiological Sciences held in Kyoto Japan July 27th-August 01 2009).
48. **SHEIKH N.** and Javed S. Histological study of the liver and lung tissues of pyrethroid exposed mice. Z. Gastroenterol 47 (2009) DOI: 10.1055/s-0029-1191846 [**Impact factor 1.026**]
49. Martius G., Malik I., Dudas J., **SHEIKH N.**, Rave-Frank M., Christiansen H., Ramadori G. and Hess C.F. The effect of gamma radiation on the expression of genes involved in fat metabolism in rat liver. Falk Workshop (2009). 30.
50. Malik. I., Moriconi F., **SHEIKH N.**, Ahmed G., Dudas J., Hess, C.F., Rave-Frank, M. Christiansen H. and Ramadori G. Effect of gamma radiation on gene expression of MIP-2 and its receptor in rat liver. Falk Workshop (2009) 23.

2008

51. Manzoor F., **SHEIKH N.** and Tahir S. N. A. Repellency, toxicity and tunneling activity of *Coptotermesheimi* (Wasmann) (Isoptera: Rhinotermitidae) in response to Biflex, Termidor and Tenekil. (2008) ICE Durbin South Africa.
52. Moriconi F., Christiansen H., **SHEIKH N.**, Dudas J., Hermann RM., Hermann RM., Rave-Frank M., Raddatz D., Saile B., Hess CF., Hess CF., Ramadori G. Effect of X- irradiation on gene expression of rat liver chemokines: in vivo and in vitro studies. *Z. Gastroenterol. Dev.* 46: (2008) [**Impact factor; 1.026**]
53. **SHEIKH N**, Anjum H., FayyazZ.and Qureshi A.W. Serum Iron, Aminotransferases, Protein Analysis and Haematological Studies in Renal Failure Patients. (Oral presentation). 9th Biennial conference of Pakistan society of Biochemistry and Molecular Biology (PSBMB) conference Rawalpindi Dec. 17th-20th 2008.
54. **SHEIKH N.**Naz N and Fayyaz Z. Hematological Changes, Serum Iron and Protein Levels in the Steel Industry Workers. 9th Biennial conference of Pakistan society of Biochemistry and Molecular Biology (PSBMB) conference Rawalpindi Dec. 17th-20th 2008.

2007

55. Moriconi F., Neubauer-Saile K., **SHEIKH N.**, Dudas J., Ramadori G., The Kupffer cells and the intrahepatic iron-metabolism pathway. *Z. Gastroenterol. Dev.* 45, (2007). [**Impact factor; 1.026**]

2006

56. **SHEIKH N.**, Tron K., Dudas J. and Ramadori G.: Cytokine-induced neutrophil chemoattractant-1 (CINC-1) is released by the non-injured liver in a rat acute-phase model. *Z. Gastroenterol. Dev.* 44; 792 (2006). [**Impact factor; 1.293**]
57. **SHEIKH N.**, Tron k., Dudas J., Saile B., Batusic D. and Ramadori G.: "Hepcidin and hemojuvelin gene expression in rat liver damage: in vivo and in vitro studies" *J. Hepatol. Dev.* 44(2): S81-82 (2006). [**Impact factor; 6.073**]
58. **SHEIKH N.**, Tron K. and Ramadori G.: Heat Shock proteins: come to rescue during acute phase response (APR). *Z. Gastroenterol. Dev.* 44: (2006). [**Impact factor; 1.293**]

2005

59. **SHEIKH N.**, Tron K., Dudas J. and Ramadori G. HO-1 gene expression in extrahepatic organs of rats in response to turpentine oil induced APR. Poster presented in HO conference 2005, the fourth international congress from October 6-9, 2005, Boston, USA.
60. **SHEIKH N.**, Christiansen H., Tron K., Dudas J., Saile B., Hess C. F. and Ramadori G. Hepcidin: Regulation in different animal models. *Z. Gastroenterol. Dev.* 43: 860 (2005). [**Impact factor; 0.800**]

Editorial Experience

- Member Editorial Board Journal of Animal Genetic Research Published by Sciknow, NY USA.
- Member Editorial Board Philippine Journal of Veterinary and Animal Sciences (2010-11)
- Peer Reviewer for the year 2009 for Gut international Journal
- Peer Reviewer for the year 2009 for Lab invest Journal
- Peer Reviewer for the year 2009 for African Journal of Biochemistry research
- Member Editorial Board Pakistan Journal of Science
- Member editorial board Punjab University Journal of Zoology

PROFESSIONAL MEMBERSHIPS

- American Society for Cell Biology
- Khwarizmi Science Society, Pakistan.
- Pakistan Fisheries Society.
- Pakistan Society for the Biochemistry and Molecular Biology.
- Pakistan Entomological Society.

Research Thesis Supervised**Ph.D. Scholars (*HEC Scholars)**

Sr. #	Name	Session	Status	HEC Pin #	Notification No.
1.	*Afshan Syed Abbas	2008-14	Completed	074-3594-BM4-217	Ph.D.(R)/101/2014 dated 13-09-2014
2.	Muddasir Hassan Abbasi	2011	Completed	N/A	Ph.D./39/2015 dated 13-05-2015
3.	*Amna Nadeem.	2008-14	Completed	074-2566-BM4-141	Ph.D.(R)/70/2015 dated 13-05-2015

4.	*Tasleem Akhtar	2012	Thesis Submitted		
5.	Farreha Azam	2013	Research Work		
6.	Naila Hameed	2013	Synopsis writing		
7.	Wajeaha Hameed	2013	Synopsis		
8.	Hanya Mazhar	2013	Synopsis		
9.	Muhammad Babar Khawar	2015	Comprehensive Exam		
10.	*Maryam Mukhtar	2015	Comprehensive Exam		
11.	Rabia Mehmood	2015	Comprehensive Exam		
12.	Naz Fatima	2015	Comprehensive Exam		
13.	Zaheer Ud Din	2016	Course work		
14.	Umair Latif	2011	Research work		
15.	Zillay Mariam	2011	Research work		
16.	Amber Shams	2011	Research work		
M. Phil/M.S. [15]					
1.	Ambreen Asghar	2014-16	HFD induced changes in serum high molecular weight proteins and histology of spleen and muscle.		
2.	Shakira Shakeel	2014-16	HFD induced changes in small intestine histology, trace elements and hepatic gene expression in <i>Rattus norvegicus</i> .		
3.	Tayyeba Batool	2014-16	Effect of HFD on serum low molecular weight proteins and histology of heart and kidney.		
4.	Shazia Ghafoor	2014-16	Impact of HFD on lungs histology and trace minerals profiling in <i>Rattus norvegicus</i> .		
5.	Rabia Mehmood	2013-15	Effect of metal dust on workers of cutlery industry in Wazirabad, Pakistan		
6.	Muhammad Babar Khawar	2013-15	Study of toxic effects of paper industry leachate in wistar rats (<i>Rattus norvegicus</i>)		
7.	Neelam Younas	2012-14	Regulation of Cofilin-LIMK Pathway in Creutzfeldt-Jakob disease. (Research Work completed in Clinical Dementia Center, Department of Neurology and Psychiatry, University Medical Center Göttingen (UMG), Robert-Koch-Str. 40, 37075, Göttingen, Germany.		

8.	Um-e-Kalsoom	2012-14	Bioinformatics; Analysis of HAMP and HFE genes involved in iron regulation.
9.	Mohsin Shafiq	2011-13	Cortical brain specific differential proteome analysis in experimental autoimmune encephalomyelitis (EAE). (Research Work completed in Clinical Dementia Center, Department of Neurology and Psychiatry, University Medical Center Göttingen (UMG), Robert-Koch-Str. 40, 37075, Göttingen, Germany.
10.	Afia Farrukh	2011-13	Toxic effects of acute intra-peritoneal administration of iron and copper in Wistar rat.
11.	Tasleem Akhtar	2010-12	Hepatotoxicity of thioacetamide in wistar rats and protective potential of N. oleander extract.
12.	Arfaa Batool	2010-12	Impact of hyperlipidemia on tissue histology and effects of fat reducing agents
13.	Mariam Iqbal	2007-09	Changes of serum proteins, hematology and liver histology in water deprived rats.
14.	Hina Anjum	2006-08	Serum iron and aminotransferase levels associated with renal failure and electrophoretic study of serum proteins in renal failure patients from Karachi.
15.	Zunera Fayyaz	2006-08	Changes in the serum iron levels and protein profiles in pre-dialysis renal failure patients.

B.S./M.Sc. [22]

1.	Sabeen nazir	2014-16	Exon 3 of MYOC gene polymorphism association with glaucoma onset in population of Lahore division
2.	Maryam Shahnawaz	2014-16	Risk factors and susceptibility of rs11241095 on wdr36 with the onset of glaucoma in population of Lahore division
3.	Sadia Khaliq	2014-16	
4.	Maria Hussain	2013-15	Histological effects of thioacetamide on brain, heart and lungs
5.	Rabia Ghazanfar	2013-15	Histopathological changes and toxic effects of tacrolimus on pulmonary tissues of wistar rats (<i>Rattus norvegicus</i>)
6.	Tanzila Shan	2013-15	Tacrolimus induced histopathological changes in the kidneys of Wistar rats
7.	Zunaira Siddique	2012-14	IL-2 mediated T-cell activation during an autoimmune disease "Rheumatoid Arthritis" and role of CTLA4.
8.	Anam Amin	2012-14	In-Silico study and phylogenetics of Serine/Threonine kinase-11 (STK11)- gene involved in Peutz-Jeghers syndrome.
9.	SundasAkram	2012-14	GCK related permanent neonatal diabetes mellitus; functional genomics and evolutionary analysis of GCK gene.
10.	HinaManzoor	2012-13	Iron Copper induced histological variations in extrahepatic

			organs of rat
11.	QudsiaMushtaq	2012-13	Hepatotoxicity induced by commercially available computer cleaning solution: CTC.
12.	HumairaShaheen	2011-12	Thioacetamide induced histological changes in the kidney of Wistar rats.
13.	NeelamYounas	2011-12	Abnormal cell proliferation in the small intestine of the rat under the influence of TAA chronic inflammation.
14.	Nida Zia	2010-11	Changes in the hematology, serology, gene expression and liver histology of Rats in response to high dose of Eucalyptus oil.
15.	MohsinShafiq	2010-11	Effects of <i>Menthapiperita</i> (oil) on the hematology, serology, gene expression and liver microanatomy in rats
16.	SairaJaved	2007-08	Histological study of the lung and liver tissues of pyrethroid exposed mice.
17.	Naila Naz	2007-08	Hematological and serum protein studies in steel furnace workers.
18.	RabiaAbid	2007-08	Hematological and molecular study of Pre-treatment leukemia patients.
19.	Maria Masood	2007-08	Hematological and molecular study of Pre-treatment and post-treatment breast cancer patients.
20.	Rizwan Butt	2002-03	Comparison of efficacy of Tenekil, Termidor and Terminus against <i>Heterotermesindicola</i> (Wasmann).
21.	Sara Irfan	2002-03	Repellent and toxic effects of <i>Nerium oleander</i> to <i>Coptotermes heimi</i> .
22.	Arjumand Shah Bano	2001-02	Morphometric analysis of population samples of <i>Microtermesmycophagus</i> (Desneux) from Pakistan.

PROFESSIONAL MEMBERSHIPS

- American Society for Cell Biology
- Khwarizmi Science Society, Pakistan.
- Pakistan Fisheries Society.
- Pakistan Society for the Biochemistry and Molecular Biology.
- Pakistan Entomological Society.

CONFERENCES/WORKSHOPS ATTENDED

International

1. Associate level training course on TRIZ (Theory of inventive problem solving) from 16-18 February 2016 at Skill development center, University of the Punjab, Lahore.
2. Falk workshop 2016 organized by Falk foundation January 21-22, 2016
3. GASL 2016 held at Heinrich-Heine University, Düsseldorf, Germany, from January, 22-23, 2016.

4. 23rd Annual conference of Asian Pacific society of Liver (APASL) held in Brisbane, Australia from March 12-15, 2014 (Poster presentation).
5. Falk Workshop "Pathophysiology and treatment of Cholangiocarcinoma" held in Tubingen from January 23-24, 2014(Poster presentation).
6. 30th Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, held in Tubingen from January 24-25 2014(Poster presentation).
7. Paper accepted for oral presentation in "Entomology 2013: ESA's 61st Annual Meeting, *Science Impacting a Connected World*" going to be held from November 10-13, 2013 at Austin, Texas, USA.
8. Participated in the Staff Mobility Exchange under EXPERTS II project, in Georg-August University Göttingen, Germany from 5-5-13 to 4-06 13.
9. 22nd Annual conference of Asian Pacific society of Liver APASL 2013, Singapore 06-10 June 2013(Poster presentation).
10. 21st Conference of the Asian Pacific Association for the Study of the Liver, APASL 2011, Bangkok, Thailand, February 17-20, 2011(Poster presentation).
11. 27th Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, January 28-29, 2011, University Klinikum, Heidelberg, Germany. Germany (Poster presentation).
12. Falk research workshop, Translational Research in Chronic Liver Diseases, January 27-28, 2011, University Klinikum, Regensburg,,Germany.
13. 25th Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, January 30-31, 2009, University Klinikum, Heidelberg, Germany. Germany (Poster presentation).
14. Falk research workshop, Translational Research in Chronic Liver Diseases, January 29-30, 2009, University Klinikum, Heidelberg, Germany.
15. 23rd Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, January 26-27, 2007, University Klinikum, Georg-August University, Göttingen, Germany.
16. Falk research workshop, Morphogenesis and Cancerogenesis of the liver, January 25-26, 2007, University Klinikum, Georg-August University, Göttingen, Germany.
17. 61 Jahrestagung der Deutschen Gesellschaft für Verdauungs- und Stoffwechselkrankheiten from September 13-16, 2006, Hannover, Germany (Poster presentation).
18. 41st Annual meeting of "The European association for the study of the liver" April 26-30, 2006, Vienna, Austria (Poster presentation).
19. 22rd Jahrestagung der Deutschen Arbeits-gemeinschaften zum Studium der Leber, January 20-21, 2006, University Klinikum, Georg-August University, Leipzig, Germany.
20. Falk Research Workshop Liver Regeneration, Stem Cells and Transdifferentiation. January 19-20, 2006. Leipzig, Germany.
21. HO conference 2005, the fourth international congress from October 6-9, 2005, Boston, USA (Poster presentation).
22. 60 Jahrestagung der Deutschen Gesellschaft für Verdauungs- und Stoffwechselkrankheiten from September 14-17, 2005, Köln Germany (Poster presentation).
23. 2nd International symposium on new technologies for environmental monitoring and agro-application held under the auspices of Trakia university (Agriculture campus) Takirdag, Turkey on October 18-20, 2000.
24. Regional QPCR user-group meeting at Tierärztliche Hochschule, Institute für Parasitologie, Tuesday, November 09, 2004, Bünteweg 17, Gebäude 2173, OG Seminar Room, Hannover.

National

25. Zoological Conference 2015 at Karachi.
26. Workshop on the awareness of emerging issues of cancer in Pakistan held in LCWU, Lahore on May 06, 2014.

27. 34th Pakistan Congress of Zoology held in Multan, Pakistan from February 25-27, 2014.
28. 33rd Pakistan congress of Zoology (International) organized by Zoological Society of Pakistan held from 2-4 April 2013 at PMAS Arid Agriculture University Rawalpindi and Pakistan Museum of Natural history, Islamabad.
29. 1th Biennial Conference “Molecular Biosciences - Challenges and Opportunities” from November 25 – 28, 2013 at, University of the Punjab Lahore-Pakistan.
30. 32nd Pakistan congress of zoology held under the auspices of zoological society of Pakistan at GCU, Lahore on March 06-08, 2012
31. “5-day international workshop on “Separation Science and the Omics” from April 6-10” 2009 held in School of Biological Sciences, University of the Punjab, Lahore.
32. One-day symposium on “Insect Genomics: Applications and potential for pest control” held in NIBGE Faisalabad on March 25, 2009.
33. 7th International Conference “Trends in Biochemistry and Molecular Biology” held from April 2-5, 2003 at Institute of Biochemistry and Biotechnology, University of the Punjab Lahore.
34. Modern Techniques in Biotechnology, March 2-7, 2003 at NIBGE Faisalabad, Pakistan.
35. Orientation Program, August 12-23, 2002, Human resource development center, university of the Punjab, Lahore, Pakistan.
36. Information technology workshop (SPSS), August 13 to September 3, 2002, Human resource development center, University of the Punjab, Lahore, Pakistan.
37. Latest development in Molecular Biology and Biotechnology, October 8-13, 2001, UGC regional center, Lahore.
38. 21st Pakistan congress of zoology held under the auspices of zoological society of Pakistan at agriculture university Faisalabad on March 15-17, 2001 and received Dr. Muzzafar Ahmad Gold Medal on securing first position in M.Sc (Zoology) exam.
39. 20th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at Jamshoro (Sind University) on March 28-30, 2000 and presented a research paper entitled “Tunneling ability of subterranean termites through termiticide treated soil” (Oral presentation)
40. 19th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at NARC Islamabad on April 19-21, 1999 and presented a research paper entitled “responses of *Heterotermes indicola* (Wasmann) to biflex and termidor” (Oral presentation).
41. 18th Pakistan Congress of Zoology held under the auspices of zoological society of Pakistan at Department of Zoology, University of the Punjab Lahore on April 20-22 1998.
42. British council English language training program, July 31- October 12, 1995.

Lecture/Symposia attended

1. Fish and Aquaculture in Pakistan, by Dr. Muhammad Ayub, from Punjab Fishries department on 05-05-2015
2. Biotechnology & Biomimetics by Dr. M. Safwan Akram from Cambridge University, UK. On 13-05-2015.
3. PCO and Role of Physiotherapy by Dr. Neelam from Women health clinic on 20-11-2015.
4. 19th Annual summer course Current techniques in Molecular Genetics 2009, Center for the study of IBD, Massachusetts General Hospital, Boston USA, July 14-24, 2009.
5. 1st Symposium of the Göttingen Proteomics Forum, November 23, 2006, Max-Planck-Institute of Experimental Medicine, Göttingen.
6. Colloquium “Molecular changes during hepatic ischemia/reperfusion injury” by Dr. Pierluigi Ramadori, Laboratory of Experimental Liver pathology, Department of Clinical and

- Biological Sciences, University of Turin, Germany, June 29, 2006, Meeting room Department of Internal Medicine, University Hospital, Robert Koch Str. 40 Göttingen.
7. Immunregulation in the liver by Professor Dr. A. W. Lohse of University of Hamburg on May 04, 2006, Hörsaal 55, Klinikum, Robert Koch str.40, Göttingen.
 8. Leberfibrose und Fibrolyse - Welche Bedeutung haben Matrix Metalloproteinasen und ihre spezifischen Inhibitoren? By Prof. Dr. Elke Roeb, Zentrum für Innere Medizin, Universität Gießen: Thursday, March 09, 2006, Lecture Hall 55, Klinikum Robert Koch Str. 40 Göttingen.
 9. Deregulation of the methylation machinery in transgenic mouse models of liver cancer, February 10, 2006 Hörsaal 04, Klinikum, Robert Koch Str. 40 Göttingen.
 10. Co-expression of c-Myc and E2F1 suppresses apoptosis in a mouse model of liver cancer: Relevance to human hepatocellular carcinoma, February 09, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
 11. Unrestrained activation of Ras and Jak/Stat pathways in human HCC due to epigenetic silencing of Ras and Jak/Stat inhibitors, February 08, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
 12. Molecular pathogenesis of human hepatocellular carcinoma: Mechanisms and prognostic significance of aberrant methylation, February 07, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
 13. The role of the Foxa transcription factors during development and disease in mice: an overview, February 02, 2006 Hörsaal 55, Klinikum, Robert Koch Str. 40 Göttingen.
 14. Nephrologisch-Nierenphysiologisches Colloquium July 06, 2005, by Dr. G. Gabriels, Münster, Natrium-Transport nach experimenteller Nierentransplantation, Konferenzraum Innere Medizin, Bettenhaus 2, Ebene 3, Klinikum, Robert Koch Str. 40, 37075 Göttingen.
 15. Annual workshop of Postgraduate Program 335 and presented a talk about “*In vivo* and *in vitro* regulation of heme-oxygenase gene” July 01–02, 2005, EichsfelderHütte St. Andreasberg, Germany.
 16. A symposium organized by Sonderforschungsbereich 402 Molekulare und ZelluläreHepatogastroenterologie on Inflammation, Tissue Damage, Regeneration and Tumor Development in the Gastrointestinal Tract on April 15-16, 2005 at MPI für experimentelle Medizin, Georg-August University Göttingen.
 17. Colloquium “Interferon-g acts pro-apoptotic on hepatic stellate cells (HSC) and abrogates the antiapoptotic effect of Interferon-a by an HSP70 dependant pathway” by Dr. Bernhard Saile, 16 Thursday, March 10, 2005, Klinikum, Robert Koch Str. 40, Göttingen.
 18. Colloquium “Hepatitis B virus budding” by PD Dr. Volker Bruß on Thursday, February 17, 2005, Klinikum, Robert Koch Str. 40 Göttingen.
 19. Colloquium “Pathogenic mechanisms in membranous nephropathy” by Prof Dr. Pierre Ronco of Inserm U 489, Tenon Hospital Paris on December 01. 2004, in Konferenzraum 1, Bettenhaus 1, Klinikum Robert Koch Str. 40 Göttingen.
 20. Colloquium “Regulation of glucagon gene transcription by Pax6” by Prof. Knepel, on November 11, 2004, in University KlinikumGöttingen.
 21. Colloquium “Coordinated regulation of gene activation of Xenobiotic-processing enzyme transporter systems in hepatocytes by endogenous factors and modulators of the phenobarbital-type” by Dr. K. Hirsch-Ernst on October 28, 2004 in University KlinikumGöttingen.
 22. Colloquium “Chronische Virushepatitis: Modelle und antivirale Strategien” by Prof. Dr. Fritz von Weizsäcker on July 22, 2004 in Universitäts Klinikum Göttingen Germany

23. Colloquium “Regulation des Hypoxie-induzierbaren Faktors (HIF-1) durch die Entzündungsmediatoren TNF alpha und NO” by Prof. Dr. B. Brüne, on June 24, 2004, in University Klinikum Göttingen.
24. Annual workshop of Postgraduate Program 335 and presented a talk about “Effect of interferon-alpha and gamma on the expression of Heme-oxygenase-1 gene in Hepatocytes and Liver macrophages” June 18 – 19, 2004, EichsfelderHütte St. Andreasberg, Germany.
25. Colloquium “Perpetuated cell activation – Role of RAGE” by Prof. Dr. Peter Nawroth on June 10, 2004, in University KlinikumGöttingen.
26. Colloquium “Novel aspects of hepatitis C virus RNA replication” by Prof. Dr. Ralf Bartenschlager on May 12, 2004 in University KlinikumGöttingen.
27. Colloquium “Cytokine gene transfer with viral vectors: Effects on hepatitis B and C viruses” by PD Dr. Ulrike Protzer on April 22, 2004 in University KlinikumGöttingen.
28. German language course SS2004, WS2004/2005, SS2005, WS2005/2006 in Lektorat Deutsch als Fremdsprache, Georg-August University, Käte-Hamburger-Weg-6, 37073 Göttingen

Administrative Experience

- Member Board of Faculty of Life Sciences [Notified D/1010/Acad. dated 10-03-16]
- Member/Secretary of Committees University Level
- Member Fact Finding Committee [Notified vide D/266/R dated 09-03-2016]
- Member Book fair invitation and Reception committee year 2016 [Notified vide D/22/R; dated 01-03-2016]
- Member “Disciplinary Committee (No.2) to dispose off cases of unfair means in various university examinations for years 2016 and 2017. [Notified vide D/226/R; dated 02-03-2016]
- Member/Secretary; Sub-committee of Standing committee on Plagiarism [Notified vide D/4052/Est.I; dated 02-10-2015].
- Member/Secretary; Sub-committee of Standing committee on Plagiarism Member Fact Finding Committee [Notified vide D/266/R; dated 09-03-2016].
- Member committee for the Equivalence of development of Crops varieties/ Animal Breeds/ Patents/Technologies etc. [Notified vide D/2865/R; dated 22-07-2015].
- Focal Person, Prime Minister’s Youth Laptop scheme (Phase 2).
- Head Examiner for the Zoology Paper “A” (B.Sc.) 2016- onwards.
- University admission committee
- Member B.O.S in Zoology
- Member/Secretary of Committees Department level
- Secretary/Coordinator M.Sc. (Morning/Evening) Admission Committee
- Secretary/Coordinator M.S./M.Phil. (Morning/Evening) Admission Committee
- Member Judgement Committee
- Coordinator Main Library Informative session
- M.Sc. Coordinator (September 2015-Onwards).
- Seminar Coordinator (September 2015-Onwards).Secretary/Coordinator Departmental Scholarship and Financial assistance committee. (September 2015- onwards)
- Co-Chairman Session 3: 35th Pakistan Congress of Zoology (International)
- Member Departmental Inquiry Committee
- Thesis Examination M.S./M. Phil. (since 2007)
- Thesis Examination B.S. (since 2007)
- Thesis Examination M.Sc. (since 2007)
- M.Sc. Thesis examiner (2001-2003 & 2007- onwards)

- B.Sc. Examiner (2nd Annual Examination 2015)
- Internal Examiner M.Sc. Part 1 and Part 2 Papers for years 2008 onwards.
- Head Examiner for the Zoology Paper “C” (B.Sc.) 2013-2015.
- Local Coordinator of EU project (EXPERTS II, and EXPERTS III).
- Deputy Director R&D, University of the Punjab, Lahore, Pakistan.
- Member managing board Graduate college GRK 335, Postgraduate Program Cellular, Molecular and Clinical Biology of Internal Organs, Georg-August-University, Göttingen 37075, Germany.
- IT Coordinator Department of Zoology. (12-2008 – 06-2009)
- Member Board of Faculty of Life Sciences (06-2007 - 2011)
- Member Board of Studies in Zoology (2001-2004, 26-12-2012- 25-12-2015).
- Member Board of Studies in Zoology Kinnaird College for Women Lahore (2008).
- Member Ph.D. admission committee 2008, 2011, -14.
- Member M.S./M. Phil admission committee 2011-14.
- Member Admission Committee for M.Sc. 2001, 02, 03, 07, 13, 14.
- Member Admission Committee for B.Sc. (Hons.) 2002, 07, 08, 11.
- Member Departmental Disciplinary Committee (2003).
- Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.
- Member Maintenance committee.
- Member Purchase Committee.
- External examiner M.Sc. Baha-ud-Din Zakria University Multan, Pakistan (2007).
- Examiner for B.Sc., M.Sc. Practical Examination

Workshops/Seminars organized

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- Fish and Aquaculture in Pakistan, by Dr. Muhammad Ayub, from Punjab Fishries department on 05-05-2015
- Biotechnology & Biomimetics by Dr. M. Safwan Akram from Cambridge University, UK. On 13-05-2015.
- PCO and Role of Physiotherapy by Dr. Neelam from Women health clinic on 20-11-2015.
- “Mass Spectrometry: Recent trends and applications in Proteomics” by Dr. A. R. Asif from Georg-August-University Göttingen, Germany in Department of Zoology, University of the Punjab, Lahore, Pakistan.
- Second annual workshop of Postgraduate Program 335 on July 01–02, 2005, held in EichsfelderHütte St. Andreasberg, Germany.

References

Will be furnished when requested