

PERFORMANCE EVALUATION AWARD FOR PH.D TEACHERS

Name of teacher	Dr Najma Shaheen
Qualification	PhD
Position	Assistant Professor (TTS)
Department	Zoology
Date of joining	Jan. 21, 1994

1 RESEARCH PUBLICATIONS

a)	No. of publications in journals with Impact factor	13
b)	No. of publications in journals with out Impact factor	13

LIST OF PUBLICATIONS

1. Muneer, M.A., Ajmal, M.A. **Arshad, N.** (1992). Aetiology of respiratory disease complex of commercial broilers in Punjab. *Pakistan J. Agri.*, **1**: 156-164.
2. Ahmad, K., **Arshad, N.** and Rizvi, S.M. (1993). Incidence of infectious bursal disease (Gumboro) in broilers. *Proc. Pak. Congr. Zool.*, **13**: 501-504.
3. **Arshad, N** and Hafeez, M.A., (1996). Pineal organ of Nili Ravi Buffalo (*Bubulus bubulis*): A development study. *Pakistan J. Zool.*, **28**(4): 295-303.
4. Zehra, A., **Arshad, N** and Mirza, M. (1997). Analysis of *Triplophysa yasinesis* complex (Pisces: Nemacheilidae). *Punjab Univ. J. Zool.*, **12**: 25-29.
5. **Bhatti, B.M.**, Sahota, A.W., Iqbal, Z., **Arshad, N** and Arshad, M. (1997). Study on the effect of different levels of sodium chloride on laying performance of broiler chicks. *Biologia*, **43**(2): 133-136
6. **Arshad, N.**, Zaheer, M.A., Khawar, M and Shahnaz, L. (1999). Uterovaginal prolapse, its relationship with various epidemiological and biochemical parameters: A preliminary study. *Mother & Child*, **37**(4): 147-151.
7. Arshad, M., Mansoor, S., Iqbal, Z., **Arshad, N.** and Ahmad. S (1999). Study on various hematological and serological parameters of persons with low and high chances of being exposed to lead. *Biologia*. **45**(2): 16-20
8. Arshad, M., Masoud, S., Iqbal, Z., **Arshad, N.** and Khan, Y. (2000). A study on various hematological parameters of the persons with low and high chances of being exposed to lead. *Biologia*: **46**:117-124
9. Arshad, M., Majeed, N., Iqbal, R and **Arshad, N.** (2000). Study of some hematological and serological changes in "Rhinitis patients". *Biologia*: **46**:89-94
10. **Arshad, N.**, Adan, G.E., Yunus, S and Arshad, M. (2000). Methamidophos induced haemo and immuno toxicity in mice, *Mus musculus*. *Biologia* **46**:109-116

11. **Arshad, N.** Yunus, S and Adan, G.E. (2001). Endosulfan induced changes in haematological and some immunological parameters in mice. *Punjab Univ. J. Zool.***16**:147-154
12. **Arshad, N.**, Mahmood, S., Murtaza A., Iqbal, Z and Arshad, M. (2002). Biflex induced hemato-immunomodulatory changes in mice (*Mus musculus*) *Punjab Univ. J. Zool.***17**:52-60
13. **Arshad, N**; Murtaza. A., Mahmood, S., Iqbal, Z and Arshad, M. (2002). Zetamethrin post-exposure hemato-immuno modulations in non vaccinated chicks (*Gallus domesticus*). *Punjab Univ. J. Zool.***17**:87-92
14. **Arshad, N.**, Shabbir, G., Aleem, S and Arshad M. (2007). Effects of α -tocopherol in liver biochemistry of endosulfan intoxicated mice: a preliminary study. *Asian J. Exp. Sci.* 21: 239-248
15. Grabensteiner, E., **Arshad, N.** and Hess, M. (2007). Differences in the in vitro susceptibility of mono-eukaryotic cultures of *Histomonas meleagridis*, *Tetratrichomonas gallinarum* and *Blastocystis* sp. to natural organic compounds. *Parasito Res* **101**:193-9.
16. **Arshad, N.**, Neubauer, C., Hasnain, S. and Hess M. (2008). *Peganum harmala* can minimize *Escherichia coli* infection in poultry, but long-term feeding may induce side effects. *Poult Sci.* 87:240-249.
17. **Arshad, N.**, Zitterl-Eglseer, K., Hasnain, S and Hess, M. (2008). *Peganum harmala* or β -carboline alkaloids inhibit *in vitro* the growth of certain antibiotic resistant strains of bacteria and important protozoa isolated from poultry. *Journal of Phytotherapy Research* 22: 1533-1538
18. Grabensteiner, E., Liebhart, D., **Arshad, N** and Hess M. (2008). Antiprotozoal activities determined *in vitro* and *in vivo* of certain plant extracts against *Histomonas meleagridis*, *Tetratrichomonas gallinarum* and *Blastocystis* sp. *Parasitol Res.* 103:1257-1264.
19. Liaqat, I., Arshad, M. and **Arshad, N.** (2009). Changes in selected blood biochemical components of industrial workers occupationally exposed to textile dyes: A preliminary study. *Pak. J. Zoo.*, **41**:65-69
20. Liqat I, Arshad M, Arshad R and **Arshad, N.** (2009). Exposure to textile chemicals leads to microcytic anemia and hypersensitivity. *Pak. J. Zool.*, **5**: 381-387
21. Nawaz S.K., Batool R., Arshad M. and **Arshad, N.** (2010). Alpha Tocopherol May Reduce Endosulfan Induced Toxicity in Mice. *Pakistan J. Zool.*, **42**: 205-210
22. Sohail M. I., Mughal M. S., Arshad, N and Arshad, M. (2010). Incidence of Hepatitis B and C in Industrial Areas of Sheikhpura and Kasur. *Pakistan J. Zool.*, **42**:673-677.

23. Riffat Iqbal R., Mughal M. S., **Arshad N** and Arshad M. (2011). Pathophysiology and antioxidant status of patients with fibromyalgia. *Rheumatol Int.* **31:149-152**
24. Grabensteiner, E., **Arshad, N.** Amin,A and Hess. (2011) Genetically different clonal isolates of *Trichomonas gallinae*, obtained from the same bird, can vary in their drug susceptibility, an *in vitro* evidence. *Parasitology International.* (IF=2.259) 60 213–215.
25. Mufakkar M, Anvarhusein A. Isab, Ruffer T, Lang H, Ahmad S, Arshad N and Waheed A. (2011). Synthesis, characterization, and antibacterial activities of copper(I) bromide complexes of thioureas: X-ray structure of [Cu(Metu)₄]Br. *Transition Met Chem* (IF = 1.166) 36:505–512
26. Ramzan M, Malik MA, Iqbal Z, **Arshad N**, Khan SY and Arshad M. (2011). Study of hematological indices in tannery workers exposed to chromium in Shekhupura (Pakistan). *Toxicology and Industrial Health* (IF = 0.95). **27:857–864**

2 RESEARCH/TECHNICAL PROJECTS.

S.No	Project Title	Funding Agency	Amount	Worked as	Duration	Status
1	Immunosuppressive effects of some currently used insecticides in mammals	Punjab University	75,000	Principal Investigator	1996-1997	Completed
2	Immunosuppressive effects of Pyrethroid insecticides in mammals	Punjab University	83,000	Principal Investigator	1997-1998	Completed
3	Isolation and characterization of avian pathogenic <i>E. coli</i> and search for a compound from medicinal plants or antibiotic activity exhibiting bacteria for its control.	HEC	18,00,000	Co Principal Investigator	2004-2007	Completed
4	Prevalence isolation and characterization of avian pathogenic <i>E. coli</i> from Lahore	Punjab University	100,000	Principal Investigator	2003-2004	Completed
5	Antibacterial activity of selected medicinal plants from northern	Punjab University	100,000	Principal Investigator	2007-2008	Completed

	areas of Pakistan against resistant strains of bacteria.					
6	Determination of antibacterial activity of selected essential oils against antibiotic resistant strains of avian pathogenic <i>Escherichia coli</i>	Punjab University	100,000	Principal Investigator	2008-2009	Completed
7	Identification Of Bacterial Isolates From Contact Lenses Or Lens Cases, Their Antibiotic Resistance Profile And Responses To Selected Antimicrobials.	Punjab University	125,000	Principal Investigator	2009-2010	Completed
8	Molecular characterization of bacterial isolates from contact lenses/lens cases and antimicrobial efficacy of commercial lens solutions against selected isolates.	Punjab University	150,000	Principal Investigator	2010-2011	Completed
9	Isolation and characterization of antimicrobial substance secreting bacteria from dairy products and citrus fruits.	Punjab University	150,000	Principal Investigator	2011-2012	In progress

3 RESEARCH SUPERVISION

Ph.D Thesis

Sr. No.	Student's Name	Thesis Title	Year
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1	Ms Arifa Mahreen	Search of medicinal plants for the control of sore throat. (In progress)	2009-2012
2	Ms Yasmin Badshah	Search of medicinal plants for the control of Enteropathogenic <i>E. Coli</i> . (In progress)	2010-2013
3	Ms Ayesha	COURSE WORK IN PROGRESS	2011-2014
4	Ms Salaha	COURSE WORK IN PROGRESS	2011-2014

M.S/M.Phil. thesis

1. \Anam Qamar (2010-2011). Efficacy of commercial lens solutions and some medicinal plants for the control of lens associated bacterial isolates.
2. Qurat-ul Ain Saleem 2012. Characterization of contact lens associated bacteria.(In progress)
3. Nayla Riaz. 2012. Toxicological assessment of essential oils from selected antimicrobial activity possessing medicinal plants. (In progress)

M.A/M.Sc thesis

1. Leen Shahnaz, 1995. Uterovaginal prolapse in and around Lahore. Epidemiological Aspects.
2. Gul-e-Adan, 1996. Effects of methamidophos on the immune system of *Mus musculus*.
3. Sadaf Yunus, 1996. Effects of endosulfan on the immune system of *Mus musculus*.
4. Uzma Shaheen, 1997. Effects of Zetamethrin on immune system of vaccinated chicks (*Gallus domesticus*).
5. Anwar Murtaza, 1998. Post-exposure hematoimmune modulations induced by Zetamethrin in chick, *Gallus gomesticus*.
6. Saira Mahmood, 1999. Biflex induced immuno-hematomodulatory changes in mic *Mus musculus*.
7. Huma Salah-ud-Din, 2000. Endosulfan induced histopathological alterations in liver of mice *Mus musculus*.
8. Mahwish Balaghat, 2000. Histopathological studies on the kidney of mice exposed to endosulfan.
9. Iram Liaquat, 2001. Serological studies in textile industry workers.
10. Ashfa Khan, 2001. Immunological changes in sheep infected with *Echinococcus granulosus*
11. Rahila Arshad, 2001. Hematological studies in textile industry workers.
12. Gulnaz Shabbir 2002. Effects of alpha-tocopherol on liver biochemistry of endosulfan intoxicated mice

13. Shahla Aleem 2002. Effects of alpha-tocopherol on kidney biochemistry of endosulfan intoxicated mice
14. Riffat Batool 2003. Prospects of Vit. E on serum proterin profiles of Endosulfan intoxicated mics
15. Farah Anjum 2004. Effects of Colibacillosis on the blood parameters of chicks *Gallus domesticus*.
16. Nighat Basheer, 2005 Isolation and characterization of Urinary Pathogenic *E.coli* (UPEC) from patients of UTI.
17. Muhammad Anwar, 2008. Screening of macrofungi and selected medicinal plants for their antimicrobial activity against antibiotic resistant isolates of *E.coli*.
18. Muhammad Zeeshan .(Student of BS honors, Equivalent to M.Sc) 2008. Screening of selected microfungi and essential oils for their antimicrobial activity against resistant isolates of *E.coli*.(Student of BS honors, Equivalent to M.Sc)
19. Asia Tabasum, 2009. Characterization and antibiotic resistance of selected etiological agents responsible for upper respiratory throat infection in children.
20. Huma Tariq .(Student of BS honors, Equivalent to M.Sc) 2009. Identification and antibiotic resistance profile of bacterial isolates obtained from contact lenses and lens cases.
21. Shabnum Shahzadi. 2011. Search of bacteriocin producing bacteria from dairy products and citrus fruits
22. Sobia Khan 2011. Bactericidal activity of selected Essential oils and plant extracts against contact lens associated isolates
23. Sidra, 2012. Characterization of antimicrobial substance from dairy products. (In progress)

B.S. thesis

1. Sobia Khan 2011. Bactericidal activity of selected Essential oils and plant extracts against contact lens associated isolate.
 - a. Saadia. 2012. Isolation of antimicrobial activity exhibiting bacteria from vegetables. (In progress)

4 ADMINISTRATIVE EXPERIENCE

- a) Member faculty board of studies. **1996-2001**
- b) Student Advisor **2008-2011**
- c) Member Board of Studies **2003-2005:2008-date**
- d) Member Departmental Doctoral Program Committee **2012-date**

5. LIST OF SEMINARS, WORKSHOPS OR CONFERENCES PARTICIPATED AT NATIONAL/UNIVERSITY LEVEL

1. Sixth international congress of Zoology, 1986, Pakistan
2. Sixteenth international congress of Zoology, 1996, Pakistan

3. Eighteenth international congress of Zoology, 1998, Pakistan
4. First national congress of Biology, 2002, Pakistan
5. Twenty third international congress of Zoology, 2003, Pakistan
6. International congress on biotechnology, 2003, Pakistan
7. First international conference on proteomics, genomics and metabolomics., 2007. University of the Punjab, Lahore, Pakistan.
8. Microbial Resistant paints, one day seminars, held in the Department of Microbiology and Molecular Genetics. April, 27 2008.
9. Biological Techniques 7 day work shop 2008
10. Intratracheal inoculation in chicks, Training, University of Veterinary Sciences Vienna- Austria. 2009

6 PARTICIPATION IN INTERNATIONAL SCIENTIFIC CONFERENCES

1. Sixth International Symposium on Turkey Diseases, Berlin, May 11-13, 2006
2. International Symposium on Protozoal Infections in Poultry 2007, Vienna, Austria.

Details for point 5 and 6. Articles presented in conferences

1. **Arshad, N.**, Arshad, R and Liaquat, I. (2002). Hematological study in textile industry workers. In “ First national congress of Biology, 2002”
2. Khan, A., **Arshad, N.**, Shafiq, M and Akthar, T. (2002). Serum protein profiles of sheep infected by *Echinococcus granulosus*. In “ First national congress of Biology, 2002”
3. **Arshad, N.**, Shabbir, G and Aleem, S. (2003). Effects of α -tocopherol on liver biochemistry of endosulfan intoxicated mice: a preliminary study *Pak. Congr. Zool.*, 2003.
4. Grabensteiner, E., **Arshad, N.**, Hess, M. (2006). *In vitro* effect of essential oils and plant extracts on mono-eukaryotic cultures of *Histomonas meleagridis*, *Tetratrichomonas gallinarum* and *Blastocystis* spp. 6th International Symposium on Turkey Diseases, Berlin, 11.-13.05.2006, p. 59.
5. Grabensteiner, E., Liebhart, D., **Arshad, N** and Hess, M. (July 2007). *In vivo* experiments are crucial to validate the effects noticed *in vitro* of certain plant extracts against *Histomonas meleagridis*. International Symposium on Protozoal Infections in Poultry held in the Clinic for Avian, Reptile and Fish Medicine, University of Veterinary Medicine, Vienna, Austria.
6. **Arshad, N.**, Claudia, N., Hasnain, S. and Hess, M. (2007). Molecular characterization of avian pathogenic *E.coli* (APEC). First international conference on proteomics, genomics and metabolomics. Held in the Department of Microbiology and Molecular genetics, University of the Punjab, Lahore. Pakistan.