



## **Dr. Naveeda Akhtar Qureshi**

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**Objectives:** To seek knowledge and keep it up to date. Be devoted for the reimbursement of humankind.

### **Personal Biography:**

Nationality: Pakistani  
Religion: Islam  
Language: English, Urdu, Punjabi  
Marital status: Married  
Husband name: Hamid Waheed Qureshi  
Kids: Hafiz Muhammad Bilal Qureshi, Aneeqa Hamid and

Muhammad Wajid Qureshi

## **ACADEMIC QUALIFICATIONS**

### **✚ PhD Zoology**

Thesis on “Biodiversity of entozoic flagellates of termite *Heterotermes indicola* and *Coptotermes heimi* with the effect of wood ,wood extracts and antiprotozoan drugs on termites and their flagellates” Govt. college University Lahore Zoology 2008

### **✚ M.Sc. Zoology**

Thesis on “ Entozoic Flagellates of *Heterotermes indicola* Punjab, Pakistan” Punjab University Lahore Zoology1988

### **✚ B.Sc.**

Botany, Zoology, Chemistry Punjab University Lahore1985

### **✚ Computer Skills**

Proficiency in computer basics like MS Word, MS Excel, MS Power point.

## **Research Interest**

Parasitology

## **Research Highlights**

### **Research Highlights**

#### **(ii) PhD**

Six years research experience on “**Biodiversity of entozoic**

**Flagellates of termite *Heterotermes indicola* and *Coptotermes heimi* with the effect of wood, wood extracts and antiprotozoan drugs on termites and their flagellates”**

#### **✚ Taxonomic Studies**

Studied the flagellates of *H. indicola* and *C. heimi*, described thirteen species of Flagellates from *H. indicola* gut with detailed morphologic studies belonging to five genera and 11 species of flagellates belonging to three genera from *C. heimi*

#### **✚ Biochemical studies**

The pulverized bark, sapwood, heartwood and complete wood of *Eucalyptus commandulensis*, *Dalergia sissoo* and *Accacia arabica* were used to feed by termite workers separately and observed their effects on termites and their gut flagellates. Extracts of these mentioned wood parts were taken in solvents (ethanol-benzene, alcohol and water) by soxhelt apparatus. Their effects on survival of termites and their flagellates were studied. The percentages of cellulose, lignin, organic solvent extract and water solvent extract were calculated in each part of three woods experimented. All parts of *E. cammandulensis*, bark and sap wood of *D. sissoo* were found to be toxic for the survival of termites and their flagellates. The wood *A. arabica* proved to be a

favorite food for termites and for their flagellates also. The extracts of ethanol-benzene and alcohol showed toxicity for survival of termites and their flagellates whereas water extract enhanced the flagellates population and termites became more active. The effects of different antiprotozoan chemicals (resochoin, entox, menthol and salfa drugs) on termites and their flagellates were also studied. Except entox all other antiprotozoan chemicals were found to be toxic for termite and their flagellate's growth.

#### **✚ Applications and Economic values**

All parts of wood *E. commeldulensis*, bark and sapwood of *D. sissoo* ethanol-benzene and alcohol extracts of these woods were found to be toxic for termites and their flagellates. In further studies, we can isolate and identify the particular

chemical and can be used for termite control. Similarly, anti-protozoan chemicals found to be toxic for termites flagellates can be commercially recognized and will be the best replacement of insecticides being used

for termite control.

✚ **Worked as Assistant with Dr.Aziz Ullah (Govt.college University) to assist M.Phil students on topics**

# Effect of woods, wood extracts and their residues on *Coptotemes heimi* and their Entozoic Protozoa. (Hina 2008)

# Effect of woods their extract and residues in the survival value of *Coptotermes heimi* and its Entozoic Flagellates. (Aneela 2008)

### ***PROFESSIONAL EXPERIENCE***

- ✚ 9-9-2011 to date : Assistant Professor (Quaid-i- Azam University Islamabad Pakistan)
- ✚ 2009 to 9-9-2011 : Lecturer ( Quaid-i- Azam University Islamabad )
- ✚ 2004 to 2009 : Assistant Professor ( Army Burn Hall College for Boys Abbottabad )
- 1998 to 2004: Lecturer ( Soophia College Lahore)
- ✚ 1990 to 1998: Administrator (Aizar Secondary School)

### **Present Activities**

Presently I am working as Assistant Professor, supervising research students and teaching following subjects.

✚ Morphology of invertebrates	M.Sc.
✚ Fundamentals of microbiology	M.Sc.
✚ Ecology	M.Sc.
✚ Medical Entomology	M.Phil /PhD
✚ Advances in Parasitology	M.Phil /PhD

All above courses are being taught with Lab work, Seminars (Tutorials), assignments Museum studies and Field work .

I also established my lab of **Parasitology** at **QAU**.

### ***Extra-Curricular activities***

- ✚ Serving as an Elected member of Academic Staff Association QAU from Department of Animal Sciences
- ✚ Awarded for Roll of honor from Govt. College University Lahore (1988)
- ✚ Remained active member of Biological Society at Govt. College University Lahore (1986-1988)
  
- ✚ Served as a President of Biological Society at Govt. College for Woman Samanabad Lahore (1984-1985)
  
- ✚ Took an active part in All Pakistan Science Exhibitions and made many Working Models (1982-1985)
- ✚ Got training of Woman guard from Pakistan Army (1983)

### **Membership**

- ✚ Member of ASA, QAU
- ✚ Member of Pakistan Zoological Society
- ✚ Member of Society of Protozoologists
- ✚ Member of Entomological Society of America

### **Conferences / workshops Participated**

- ✚ National Symposium on Current trends in cellular, Medical and Environmental Physiology. Organized by Department of animal sciences, QAU on dated 17-19<sup>th</sup> 2010
- ✚ 03 Pakistan Congress of Zoology (Oral Presentation)
- ✚ 31<sup>st</sup> Pakistan Congress of Zoology (International) (Oral Presentation)
- ✚ Workshop for the University Teachers “Academic Research Skill” Tuesday, 20, 2009. American Information Resource Center, U.S Embassy, Islamabad
- ✚ 2nd Teachers Training Workshop: Laboratory Methods in Genetics. February 22-26, 2010, Dept. of Animal Sciences, Quaid-i-Azam Univ. Islamabad

### **Research Projects:**

#### **URF**

- ✚ Study of flagellates from termite<sup>s</sup> gut found in some areas of Islamabad DFBS-/868 January 1, 2010 completed

#### **URF**

- ✚ Phylogenetic studies Of fauna found in the stream passing through Quaid- e Azam University Islamabad Pakistan and their ecological relationship.

**IPFP No.AS-2010/ 1857      Dated 10-5-10 Submitted**

## Phylogenetic studies of endomicrobes found in the hindgut of termites belonging to Pakistan and their evolutionary relationship with host termites

### Research papers:

- ✚ Qureshi Z.M., Rehman U. T., Riaz S., Qureshi A.N. and Khan U.I. 2011 Evaluation of Antioxidant Activity and Radical Scavenging Capacities of Different Fractions of *Nepeta hindostana* Asian journal of Chemistry Vol. 23, No. 5 (2011), 0000-0000
- ✚ Qureshi A. N., Aziz ullah, Malik M.A., Mughal M.S. and Qureshi M. Z., 2008a Biodiversity and Caste differences in the population of symbiotic entozoic protozoans in *Heterotermes indicola*. *Biologia (Pak)* 2008, 54(1), 49-57 ISSN -3097)
- ✚ Qureshi A. N., Aziz ullah, Malik M.A., and Qureshi M. Z., 2008b Effects of woods and their various parts on the survival of termites *Heterotermes indicola* and *Coptotermes heimi* . *Biologia (Pak)*, 54(2), ISSN -3097)
- ✚ Qureshi A. N. & Mahoon M.S., 1989 An addition to the protozoan fauna of termites *Heterotermes indicola* *Biologia (Pak)*, 35 (1), 1-11, ISSN -3097)
- ✚ Hassan U.M, Mehmood S, Qureshi Z.M, Rahman.T, Hyder.Z.M, Malik.F.M, Gulfraz M, and Qureshi.N.A 2011 Simultaneous Saccharification and Fermentation of Sorghum Bicolour Grains by Ethanol and Sugar Tolerated *Saccharomyces erevisiae* Asian Journal of Chemistry; Vol. 24, No. 1 (2012), 0000-0000 ( Accepted)