



Dr. Tariq Masood  
Assistant Professor

# CURRICULUM VITAE TARIQ MASOOD, PhD

The University of Agriculture Peshawar, Khyber Pakhtunkhwa, 25130,  
Pakistan.

**Date of Birth:** 02-04-1980  
**Postal Address:** Room 129, Department of Agricultural Chemistry & Biochemistry, The University of Agriculture Peshawar, 25130, Pakistan.  
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## EDUCATION

- **PhD:** Agricultural Chemistry, The University of Agriculture Peshawar, Pakistan. **Dec, 2013**
- **M.Sc. (Hons):** Agricultural Chemistry, The Univ. of Agriculture Peshawar, Pakistan. **Jan, 2005**
- **B.Sc. (Hons):** Agricultural Chemistry, The Univ. of Agriculture Peshawar, Pakistan. **Jan, 2003**

## PROFESSIONAL EXPERIENCE

- **Assistant Professor:** The University of Agriculture Peshawar, Pakistan. **(2017 to date)**
- **Lecturer:** The University of Agriculture Peshawar, Pakistan. **(2014 to 2017)**
- **Assistant Director Planning:** Directorate of Agricultural Research Khyber Pakhtunkhwa Province, Pakistan **(2012 to 2014)**
- **Research Officer:** Agricultural Research Institute Tarnab Peshawar. **(2005 to 2012)**

## HONORS AND AWARDS

1. **Postdoctoral Fellowship (Talented Young Scientist Program)** (2019-2020) at Haikou Experimental Station, Chinese Academy of Tropical Agricultural Sciences (CATAS) funded by Ministry of Science and Technology, P.R. China.
2. **Visiting Research Fellowship (2011)** at Nanjing Agricultural University, P.R. China funded by Higher Education Commission (HEC) of Pakistan under IRSIP.
3. **Indigenous PhD Fellowship (2005-2008)** by HEC Pakistan.
4. **Higher Education Outstanding Research Award 2012** as one of co-author in a research article.

## **RESEARCH STUDENTS SUPERVISED/BEING SUPERVISED**

- M. Sc. (Hons)/M.Phil. students = 04 (Major Supervisor)
- B. Sc. (Hons) Students = 10 (Major Supervisor)

## **COURSES THOUGHT**

1. Introduction to Agricultural Chemistry
2. Introduction to Biochemistry
3. Vitamin and Minerals
4. Food Chemistry
5. Metabolism of Biomolecules
6. Endocrinology
7. Fundamentals of Phytochemistry

## **RESEARCH INTERESTS**

- Food Security through improvement of Food quality and Nutrition by applying different processing techniques.
- Searching natural flora for extraction of bioactive compounds
- Food (fruits and vegetables) analysis for quality improvement
- Soil Plant Nutrition Management

## **ADMINISTRATIVE AND ACADEMIC SERVICES**

1. Reviewer, few journals of national and international repute.
2. Member, Departmental Discipline Committee.
3. Member departmental committee responsible for linkages between academia and industry

## **PROFESSIONAL RECOGNITION**

### **i. Membership of National/International Bodies**

1. Annual Member of Pakistan Society of Food Scientists and Technologist.
2. Life-member of Chemical Society of Pakistan
3. Annual Member of Soil Science Society of Pakistan.

### **ii. Research grants and contracts**

- A value chain on production of food-grade nutraceuticals for use as natural food colorants” conducted as Co-PI (Rs. 0.5 million): Status: In progress.
- Exploring non-toxicogenic fungal strains for control of aflatoxin contamination in maize crop” conducted as Co-PI (Rs. 3.50 million) by Higher Education Commission of Pakistan. Status: In progress

### **iii. Conferences/Workshops/Trainings/Symposia Participated**

- Nutrition in emergency One week Training Workshop organized by Health department in collaboration with UNICEF at Abbottabad. 13-17 August, 2018.
- “Advances in Agricultural Chemistry” One day symposium organized by the Deptt. Agricultural Chemistry, The University of Agriculture, Peshawar, 8<sup>th</sup> May, 2018.

- “26<sup>th</sup> Master Trainers Faculty Professional Development Program” at HEC Islamabad. 16-11-2015 to 15-01-2016.
- Two days workshop on project formulation organized by Pakistan Science Foundation at The University of Agriculture Peshawar. 27-28, April. 2016.
- Four days conference on “Innovative Technologies and Sustainable Development in Agriculture” at Summer Campus Bara Gali, University of Peshawar. August 19-22. 2014.
- One day seminar on “Scientific Writing and Publication in Journals” organized by Climate Change Centre at the University of Agriculture Peshawar, Pakistan. 14<sup>th</sup> May. 2014.

#### iv. PUBLICATIONS

1. Ma Funing, **Tariq Masood**, Huang Dongmei, Wu Bin, Ge Yu, Chen Di, Gutierrez-Pajares Jorge L, Nasiruddin, Song Shun. **2021**. Inhibitory Activity of Fruits Extracts of *Antidesma bunius* on the Proliferation and Migration of MDA-MB-231 Breast Cancer Cells. *Journal of Food and Nutrition Research*. 9(2): 61-67.
2. Ishrat Naz, Raja Asad Ali Khan, **Tariq Masood**, Ayesha Baig, Ifra Siddique and Shamsul Haq. **2020**. Biological control of Root Knot nematode, *Meloidogyne incognita*, *in vitro*, greenhouse and field in cucumber. *Biological Control*. 152: 104429.
3. Nasiruddin, Minghui Ji, Zhangxin Yu<sup>1</sup>, Guangying Chen, **Tariq Masood**, Funing Ma. **2020**. Chemical Constituents and Biological Functions of Different Extracts of *Millettia speciosa* Leaves. *Journal of Food and Nutrition Research*. 8(9):506-515.
4. Marya Siraj, Zafar Ali Shah, Sami Ullah, Hamida Bibi, Muhammad Suleman, Afia Zia, **Tariq Masood**, Zafar Iqbal, Mudassar Iqbal. **2020**. Biosynthesized silver nanoparticles from shoot and seed extracts of *Asphodelus tenuifolius* for heavy metal sensing. *ScienceAsia*. 46: 697–705.
5. Babar Tasim, **Tariq Masood**, Zafar Ali Shah, Muhammad Arif, Ata Ullah, Ghazal Miraj and Muhammad Samiullah. 2019. Quality Evaluation of Biochar prepared from different Agricultural Residues. *Sarhad Journal of Agriculture*. 35(1): 134-143.
6. **Tariq Masood**, Hamid Ullah Shah and Aurang Zeb. Effect of sprouting time on proximate composition and ascorbic acid level of Mung bean (*Vigna radiate* L.) and Chickpea (*Cicer arietinum* L.) seeds. (2014). *Journal of Animal and Plant Sciences*. 24 (3): 850-859.
7. Muhammad Arif, Faizullah Khan, Saeed Akhtar and **Tariq Masood**. (2014). Preparation and Nutritional Evaluation of a value-added product from barley. *Advances in Food Sciences*. 36(1): 11-15.
8. Taufiq Ahmad, **Tariq Masood**, Zaib Hussain, Mohammad Sohail, Aurang Zeb and Ihsanullah. (2014). Monitoring the oxidative stability of dietary oils during deep fat frying using chemical indexes and chemiluminescence techniques. *Advances in Food Sciences*. 36(1): 33-39.
9. Saifullah, Nasiruddin and **Tariq Masood**. (2014). Quality Assessment of Orange drink packed in different packaging materials. *Advances in Food Sciences*. 36(4): 163-166.

10. Muhammad Nauman Ahmad, Leon J.L. van den Berg, Hamid Ullah Shah, **Tariq Masood**, Patrick Bükler, Lisa Emberson, Mike Ashmore. (2012). Hydrogen fluoride damage to vegetation from peri-urban brick kilns in Asia: A growing but unrecognised problem? *Environmental Pollution*. 162: 319-324.
11. Muhammad Arif Kakakhel, Nasiruddin, **Tariq Masood**, Syed Sadaqat Shah. (2012). Evaluation of oil seeds for their potential nutrients. *Journal of Agriculture and Biological Sciences (ARPN)*. 7(9): 730-734.
12. Nasiruddin, **Tariq Masood**, Muhammad Arif, Syed Sadaqat Shah, Noreen Azhar and Saifullah. (2012). Nutritional content of some medicinal herbs of Peshawar district, Pakistan. *Sarhad J. Agric.* 28(4): 635-639.
13. **Tariq Masood**, Rozina Gul, Fazal Munsif, Fazal Jalal, Zahid Hussain, Nadia Noreen, Hamayoon Khan, Nasiruddin and Hayatullah Khan. (2011). Effect of different phosphorus levels on the yield and yield components of maize. *Sarhad J. Agric.* 27 (1): 167- 170.
14. Nadia Noreen., Hamidullah Shah., Farida Anjum., **Tariq Masood** and Sulaiman Faisal. (2009). Variation in mineral composition and phytic acid content in different rice varieties during home traditional cooking processes. *Pak. J. life & Soc. Sci.* 7(1): 6-10.
15. Farida Anjum, Barkat Ali Khan, Nadia Noreen, **Tariq Masood** and Suliaman Faisal. (2008). Effect of boiling and storage on Beta-Carotene Content of different vegetables. *Pak. J. life Soc. Sci.* 6 (1): 63-67.

#### **RESEARCH THESIS/DISSERTATION**

2005-2013 Nutritional and Biochemical changes in mung bean (*vigna radiata*) and chickpea (*cicer arietinum*) during sprouting” **Ph.D.**, Agricultural Chemistry, The University of Agriculture Peshawar.

2002-2004 Assessment of morphological and quality parameters in Bread Wheat versus Triticale **M.Sc. (Hons)**, Agricultural Chemistry, NWFP Agricultural University Peshawar.

#### **COMPUTER SKILL**

MS-Office, M-Stat C, SPSS, Statistix 8.1, Endnote, Chem Draw.

#### **REFERENCES**

##### **Dr. Saleemullah**

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