

## ***CURRICULUM VITAE***

### ***Dr. Anwar Ali Shad***

Associate Professor

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### ***Personal Bio-data***

Date of birth:	April 05, 1974
Place of Birth/Domicile:	Charsadda-Peshawar, Khyber Pakhtunkhwa-Pakistan
Permanent Address:	House No. 96, Street 04, Sector F/10, Phase 06, Hayatabad, Peshawar- Khyber Pakhtunkhwa, Pakistan

### ***Professional and Research Philosophy***

Currently working as Associate Professor and supervising 5 M.Sc (Hons) research and 2 PhD scholars on research topics related to Food, Nutrition and Plant Chemistry.

About thirteen (13) years teaching and research experience to post graduate and undergraduate students in Biochemistry, Phyto-Chemistry, Medicinal Chemistry, Food Chemistry and Nutrition at The University of Agriculture, Khyber Pakhtunkhwa, since September 2001.

I got several trainings from different research organizations of national and international repute and participated in several conferences, workshops and seminars. I also remained a research fellow at the University of Bristol, UK for about one year. During my Ph.D, I worked on the biodiversity and phytochemicals/nutraceuticals investigation of natural flora. I will try to explore the nature and will continue to keep my understanding, knowledge and skills to advance level.

### ***Courses Offered/Subjects Taught During 2010-2013***

#### **1. PhD. Courses**

- Radiochemical Techniques [AgCh-714; 3(2-2)]
- Medicinal Chemistry [AgCh-709; 3(2-2)]
- Advanced Enzymology [AgCh-708; 3(2-2)]

#### **2. M.Sc (Hons) Courses**

- Medicinal Plants of Pakistan [AgCh-710; 3(2-2)]
- Phytochemistry [AgCh-701; 3(2-2)]

#### **3. B.Sc (Hons) Courses**

- Food Chemistry [AgCh-613; 3(2-2)]

- b) Fundamental of Phytochemistry [AgCh-503; 3(2-2)]
- c) Introduction to Agricultural Chemistry [AgCh-301; 3(2-2)]
- d) Bio- chemistry [DVM-301; 3(2-2)]

## Acedemic Qualification

**PhD –Doctor of Philosophy:** The University of Agriculture, Peshawar-Pakistan, 2011

**Thesis Title:** “Nutritive and Phytochemical Investigation on Selected Plants from the North West Region of Pakistan”

**M. Sc. (Hons)-Masters of Sci:** The University of Agriculture, Peshawar-Pakistan, 2001  
(Distinction in the Faculty)

**Thesis Title:** “Effect of Irradiation on Chemical and Mineral Constituents of Herbal Medicinal Plants (*Fagonia arabica* and *Berberis lycium*)”

**B. Sc. (Hons)–Bachelors of Sci:** The University of Agriculture, Peshawar-Pakistan, 1998

**Res. Project:** Impact of Industrial wastes on Environment.

**B. Sc.–Bachelors of Sci:** University of Peshawar, Khyber Pakhtunkhwa, Pakistan

**Specialization:** Physical Sciences (Physics, Mathematics-A and Statistics)

## International/National/Seminars/Conferences/Workshops/Events

- I. Participated in Training Course in Nuclear and other Advanced Techniques in Food and Agricultural Research from 18-29 September, 2000 at NIFA (Nuclear Institute for Food and Agric., Peshawar), Peshawar.
- II. Participated in the Workshop on “Poverty Alleviation Through Sustainable Agric. Development” held by AUTA, 2002 at Pakistan.
- III. Participate in the H.E.J.-COMSTech (CPC)-TWAS International Workshop/Training on “The Development of Medicines from Plants”, September 8-13, 2003 Karachi, Pakistan.
- IV. Participated in the National Workshop on “Emerging Challenges of Food Security and Open Market Economy” held by AUTA, 2004 at Pakistan.
- V. Participated in the International symposium on medicinal plants: Linkages beyond national boundaries” held by SOGJ (JAPAN), WWF-Pakistan, 2004.
- VI. Participate in the H.E.J. Research Institute of Chemistry, International Centre for chemical Sciences, University of Karachi Workshop/Training on “New Instrumentation and Applications of Mass Spectrometry”, August 7-9, 2006 Karachi, Pakistan.
- VII. Participate in the BC-HEC Talented Researchers Programme on “Development of Sustainable and Collaborative Research Networks”, October 21-22, 2010, Pakistan.
- VIII. Coordinated the 3<sup>rd</sup> Bio-safety Training Workshop for Yong Scientists Sponsored by AUP, ASM, NAYS, 2014, Pakistan

- IX. Presented research paper and Co-organized the National Conference on “Innovative Technologies and Sustainable Development in Agriculture” organized by AUTA-HEC, 2014 at Summer Campus-Bara Gali, Pakistan.

## **Research Publications**

**Total Impact Factor: 13.203**

1. Shabir A., R. Ullah, N. M. AbdElsalam, H. Fouad, B. Ahtaram, M. T. Jan, **Anwar Ali Shad** and M. Arfan. (2014). One new royleanumolate from *Teucrium royleanum* Wall. ex Benth. *The Scientific World Journal*. Vol (2014). Article ID 581629: 3 pages doi:10.1155/2014/581629. **(Impact Factor: 1.730)**.
2. Ala Ud Din, Ghias Uddin, Nusrat Hussain, Ajmal Khan, Inamullah Khan, **Anwar Ali Shad** and Mohammad Iqbal Choudary. (2013). Bioassay-guided Isolation of New Antitumor Agent from *Ficus faveolata* (Wall. ex Miq.). *J Cancer Sci Ther* 2013, 5(11): 404-408. **(Impact Factor: 4.203)**
3. Nasser M. Abd El-Salam<sup>1</sup>, Shabir Ahmad, Asia Basir, Aisha Kalsum Rais, Ahteram Bibi, Riaz Ullah, **Anwar Ali Shad**, Zia Muhammad, Iqbal Hussain. (2013). Distribution of Heavy Metals in the Liver, Kidney, Heart, Pancreas and Meat of Cow, buffalo, Goat, Sheep and Chicken from Kohat market Pakistan. *Life Science Journal*; 10(7s):937-940. **(Impact Factor: 0.165)**
4. Nasser M Abd El-Salam, Shabir Ahmad, Waheed Murad, Tahir Iqbal, Laiq Zuman, Ahteram Bibi, Ali Rehman, Riaz Ullah, Zia Mohammad, **Anwar Ali Shad**. (2013). Profile of Heavy Metals in medicinal plants collected from different areas of Karak, Khyber Pakhtunkhwa, Pakistan. *Life Science Journal*; 10(7s):914-921. **(Impact Factor: 0.165)**
5. **Anwar Ali Shad**, Wajid Saeed, Humaira, Kalsoom, Abdul Aziz, Hamid Ullah Shah. (2013). Phytochemical and antimicrobial investigation of some selected plants available in southern regions of Khyber Pakhtunkhwa. *Pakistan Journal of Weed Science Research*. 19(3).
6. **Anwar Ali Shad**, Hamid Ullah Shah and Jehan Bakht. (2013). Ethnobotanical assessment and nutritive potential of wild food plants. *Journal of Animal and Plant Sciences*. 23(1):92-97. **(Impact Factor: 0.585)**
7. Saleem Jan, Abdul Wajid Khan, Shaista Parveen, Rahmat Ali Khan, Asma Saeed, Abdul Jabbar Tanveer and **Anwar Ali Shad**. (2012). Phytochemical analysis and Enzyme Inhibition Assay of *Aerva javanica* for Ulcer. *Chemistry Central Journal*. 6:76. **(Impact Factor: 3.280)**
8. Saleem Ullah, Hamid Ullah Shah, **Anwar Ali Shad** and Sahib Alam. (2012). The role of rhizospheric *Aspergillus flavus* in standing maize crop contamination in different ecological zones of Khyber Pakhtunkhwa, Pakistan. *African Journal of Biotechnology* Vol. 11(34), pp. 8433-8440. **(Impact Factor: 0.533)**

9. **Anwar Ali Shad**, Hamid Ullah Shah, Jehan Bakht, Muhammad Iqbal Choudhary and Javid Ullah. (2011). Nutraceutical Potential and Bioassay Investigation of *Apium graveolens* L. Available in Khyber Pakhtunkhwa-Pakistan. Journal of Medicinal Plants and Research. 5 (20): 5160-5166. **(Impact Factor: 0.590)**
10. Hamid Ullah Shah, Umbreen Latif Khan, Sahib Alam, **Anwar Ali Shad**, Zafar Iqbal and Sajida Parveen. (2011). Effect of Home Cooking on the Retention of Various Nutrients in Commonly Consumed Pulses in Pakistan. Sarhad J. Agric., 27 (2): 279-284.
11. H.U. Shah, Z. Wasil, **Anwar Ali Shad**, T. Mehmood, R. Khan and M.I. Choudhary. (2010). Biological activities of various crude extracts of fruits of *Solanum xanthocarpum*. J. chem. Society of Pakistan. 32(1): 104-108. **(Impact Factor: 1.377)**
12. Sajjad Khan, Farrukh Siyar Hamid, **Anwar Ali Shad**. 2005. An environment friendly approach for optimizing the black tea quality. Proceedings of ESDev-2005 organized by COMSATS Institute of Information Technology, Abbottabad.
13. S.Khattak, S.U.Rehman, T.Khan, H.U.Shah, **Anwar Ali Shad**, and M.Ahmad. 2004. Invitro Screening for Biological and Pharmacological Effects of Indigenous Medicinal Plants, *Mentha longifolia* and *Aloe vera*. J. Chem. Soc. Pak. 26 (3): 248-251. **(Impact Factor: 1.377)**
14. Muhammad Aman Khan, Salman A. Malik, **Anwar Ali Shad**, Muhammad Shafi and Jehan Bakht. 2004. Hepatocurative Potentials of *Pistacia integerrima* in CCl<sub>4</sub>-treated rats. Sarhad J.Agric., 20 (2) 279-285.
15. Mian Hamayoune, **Anwar Ali Shad**, Javid Ullah, Taufiq Ahmad and Qazi Ihsan. Antioxidative, 2003. Antioxidative Effect of Red Pepper Oil in Edible Oils. Pakistan Journal of Applied Sciences, 3(10-12): 644-649, 2003.
16. H.U.Shah, **Anwar Ali Shad**, S. Perveen, S.Khattak and K.F.Khattak 2003. Physiochemical Composition of Wild Medicinal Plant *Berberis lycium*. Pakistan Journal of Applied Sciences, 3(6): 370-375, 2003.
17. K.A.Jah, **Anwar Ali Shad**, M.Younas, I.Muhammad and D.Khan, 2003. Selection and Evaluation of Exotic Genotypes of Sugar Beet (*Beta vulgaris* L.) in Peshawar Valley. Asian Journal of Plant Sciences, 2(8): 655-660.
18. E. Hameed, W.A.Shah, **Anwar Ali Shad**, J.Bakht and Tilah Muhammad, 2003. Effect of Different Planting Dates, Seed Rate and Nitrogen Levels on Wheat. Asian Journal of Plant Sciences, 2(6): 467-474.
19. Ihsan Mabood Qazi, S. Wahab, **Anwar Ali Shad**, A.Zeb and M.Ayuab, 2003. Effect of Different Fermentation Time and Baking on Phytic Acid Content of Whole Wheat Flour Bread. Asian Journal of Plant Sciences, 2(8): 597-601.
20. **Anwar Ali Shad**, Hamidullah Shah, Khanzadi Fatima Khattak, N.G.Dar and J. Bakht, 2002. Proximate and Mineral Constituents of Medicinal Herb *Fagonia arabica*. Asian Journal of Plant Sciences, 1(6): 710-711.
21. Ejaz Hameed, Wajid Ali Shah, **Anwar Ali Shad**, Fazal Hayat Taj and Jehan Bakht, 2002. Yield and Yield Components of Wheat as Affected by Different Planting Dates, Seed Rate and Nitrogen Levels. Asian Journal of Plant Sciences, 1(5): 502-506.
22. Muhammad Zahir Afridi, Muhammad Tariq Jan and **Anwar Ali Shad**, 2002. Some Aspects of NPK Nutrition for Improved Yield and Oil content of Canola. Asian Journal of Plant Sciences, 1(5): 507-509.

## ***Submitted Papers***

Anwar Ali Shad, Hamid Ullah Shah, Javid Ullah and Jehan Bakht. (2011). Nutritive Potential of Some Selected Wild Food Plants of Khyber Pakhtunkhwa. (Submitted to Journal of Animal and Plant Science).

## ***Research Projects***

Phytochemical and Anti-diabetic potential of Medicinal plants of NWFP-Pakistan (Total award amount: 3203320/-). In progress, Funded by HEC, Islamabad.

## ***Student activities for creating awareness toward our current problems***

**Graduate Seminar In-charge:** Job required managing student for selection of seminar topic and the material from different sources i.e. books, scientific journals, Internet and compiling the materials and using computer Software power point to prepare the slides for presentation.

**Study Tours:** The students were toured to different governmental and private agricultural organisations/industries/research stations to familiarize them with these organizations, modernized equipment and a better understanding of the agriculture sector of the country's economy.

**Debates:** Debates on "Current Agricultural biochemical and Environmental Problems and their Solutions" were regularly arranged at the university level and students from different disciplines were encouraged to participate. It helped create awareness among the students on their current agricultural and environmental problems and an enthusiasm to utilize their abilities in finding solutions to these problems.

## ***Outreach's activities for socio-economical and ecological developments***

The farmers/industrialist/Nutritionist of the community was always encouraged to come to the university with their problems. Their problems were thoroughly analysed in cooperation with other departments of the university when necessary and solutions to their problems recommended. The visiting farmers/industrialist/Nutritionist were always exposed to the ongoing research projects in the Faculty of Nutrition Sciences related to their respective disciplines, benefits of the new findings counted and motivated to adopt the new research findings for their socio-economical and ecological improvement and a better livelihood.

## ***Membership of Associations/Organizations***

Member of the Pakistan Society of Food Scientists and Technologists

Member of the Pakistan Society of Biochemists

Member of the The Nutrition Society of Pakistan

Member of the Academic council The Univ. of Agric. Peshawar

## ***References***

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Chairman, Department of Agricultural Chemistry, Ex. Dean FNS, The University of Agriculture, Peshawar-Khyber Pakhtunkhwa, Pakistan.

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Professor and Dean Faculty of Nutrition Sciences, The University of Agriculture, Peshawar-Khyber Pakhtunkhwa, Pakistan.

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