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Date of Birth May 26, 1979 (Peshawar Pakistan)

CNIC 17301-1568124-7

EDUCATION

Ph.D. (Organic Chemistry)

Institute of Chemical Sciences, Peshawar, Khyber Pukhtoonkhwa, Pakistan.
2010

Thesis Title: Bioactive Principals from *Teucrium royleanum* Wall. Ex Benth. and *Perovskia atriplicifolia* Benth.-Antimicrobial, Allelopathy and Antioxidant Assays

M. Sc. (Organic Chemistry)

2001

Institute of Chemical Sciences, Peshawar, Khyber Pukhtoonkhwa, Pakistan.

B. Sc. (Chemistry, Zoology, Geography)

1999

EXPERIENCE

Date From-To-	Post	Institute	Experience
April 30 th 2013 Till date	Assistant Professor	Islamia College Peshawar	20 days
January 20 th 2011-April 30 th 2013	Assistant Professor	Kohat University of Science and Technology, Kohat.	2 years, 3 Months and Ten days
March 1 st 2005 - January 20 th 2011	Lecturer in Chemistry	Kohat University of Science and Technology, Kohat.	5 year- 10 Months
January 1 st 2003 - January 1 st 2005	Lecturer in Chemistry	Department of Chemistry University of Peshawar	2 years -0 months
		Sum of Experience	<i>10 years-2month</i>

Research Student

1st September 2007 to 30th April 2008.

Bioactive Principals from *Teucrium royleanum* Wall. Ex Benth. and *Perovskia atriplicifolia* Benth.-Antimicrobial, Allelopathy and Antioxidant Assays
Gene Research Center, Graduate School of Life and Environmental Sciences 1-1-1 Tennoudai, University of Tsukuba, Tsukuba, Japan.

SERVICE ACTIVITY

ASSISTANT PROFESSOR IN
ORGANIC CHEMISTRY, ISLAMIA COLLEGE PESHAWAR.

1. Assistant Professor in Organic Chemistry, KUST, Kohat
2. Assistant Warden, University Hostel No.9, University of Peshawar, 2004.
3. Incharge BS Sciences, Kohat University of Science and Technology,

Kohat, 2006.

4. Member board of Studies, Kohat University of Science and Technology, Kohat, 2006-2009.
5. Staff Proctor Department of Chemistry, Kohat University of Science and Technology, 2005-2013.
6. Convener Students advisory and Discipline Committee, Department of Chemistry, Kohat University of Science and Technology, Kohat, 2009-2013.
7. Finance Secretary, to manage the financial matters of the 19th National Chemistry Conference organized by KUST and HEC, Pakistan, 2009.
8. Member Academic Council, KUST, Kohat, 2010-11.

BRIEF STATEMENT OF RESEARCH INTEREST

- Interested to work on the bioassay guided isolation of environmentally friendly weedicides/ Herbicides (Allelopathy).
- To do research in the field of Phytochemistry, specially interested in bioassay guided isolation, characterization and total synthesis of some new and novel antioxidant compounds.
- Organic Synthesis

STUDENTS

SUPERVISION

PH. D. THESIS SUPERVISION:

Zia Muhammad (2012). Phytochemical investigation on the bioactive Constituents of *sonchus eruca*, *sonchus asper* and Biotransformation of bioactive compounds. (Thesis submitted)

M. PHIL THESIS SUPERVISION:

1. Shaukat Mehmood (2013). Preparation of Chitosan/ZnO Complexes and their Characterization (Thesis submitted)
2. Suhail Ahmad. (2013). Phytochemical analysis and biological evaluation of *Heliotropium bacciferum* (Thesis in progress)
3. Farid Fatima. (2012). Effect of gamma irradiation on phytochemical, physicochemical and microbial loads of selected medicinal plants from district Karak. (Thesis in progress)
4. Ruqia Bibi. (2013). Detection and Identification of *Leishmania tropica* by PCR assay from local strain of cutaneous leishmaniasis in Kohat region. (In Progress)

M. SC THESIS SUPERVISION:

1. Naseemyar Khattak. (2009). Allelopathy Assays of *Perovskia Atriplicifolia* Benth.
2. Salah Ud Din and Rashid. (2010). Phytochemical analysis and antimicrobial activity of *Persea duthiei*
3. Adnan Haider (2011). Phytochemical investigation of *Sonchus eruca*
4. Tauqir Ahmad (2011). Phytochemical Investigation of *Vitex Negundo*
5. Iftikhar Ahmad (2011). Phytochemical Investigation of *Withania Somnifera*
6. Sajeela Saif & Shagufta Yasmin (2011). Determination of Caffeine in different commercially available tea leaves.
7. Mohammad Iqbal & Shuja Abbas Khan (2012). Study of Antimicrobial Activity of Some Allopathic, Unani and Homeopathic Drugs

8. Aisha Kalsoom Rais & Asia Basir (2012). Distribution of heavy metals in different body parts of cow, buffalo, goat, sheep and chicken from kohat market pakistan.
9. Aimen Atiq 2012. Quantification and antibacterial activity of flavonoids in coffee samples
10. Afshan Rahman 2012. Quantification of caffeine, alkaloids and saponin in different commercial coffee brands available in Khyber Pukhtunkhwa local market.

BS (HONS) THESIS SUPERVISION:

1. Sarah Gilani & Samia Khan (2012). Determination of mineral and toxic heavy elements in different brands of black tea of Pakistan.
2. Mohammad Islam (2010). Phytochemical Investigation and Antifungal Activities of *Aerva javanica*
3. Afraz Javid (2010). Phytochemical Investigation and Antibacterial Activities of *Aerva javanica*

Membership of Scientific Societies

Chemical Society of Pakistan (Life member)

LIST OF RESEARCH PUBLICATIONS

2013.

1. ***Ahmad, S.**; AbdElsalam, M. N.; Mostafa, M.S.; Bibi, A.; Gul, S.; Ullah, R.; Safi, M. I.; Khan, S. A.; and Khader, A. J. **2013**, Study of Antimicrobial Activity of Some Allopathic, Unani and Homeopathic Drugs. *Journal of Pure and Applied Microbiology* 7, 739.
2. AbdElsalam, M. N.; ***Ahmad, S.**; Ullah, R.; Bibi, A.; Ahmad, I.; Mostafa, M.S.; and Khader, A. J. **2013**, Antibacterial Assay of *Withania somnifera*. *Journal of Pure and Applied Microbiology* 7, 791.
3. Muhammad, Z.; Khader, A. J.; ***Ahmad, S.**; Ullah, R.; AbdElsalam, M. N.; Muhammad, T.; Khan D. **2013**, Antiglycation, Cytotoxicity and Phytotoxicity of Crude Extract of *Sonchus eruca*. *Life Science Journal* 10, 2716.
4. Ullah, R.; Khader, A. J.; AbdElsalam, M. N.; Ayaz, S.; Hussain, I.; **Ahmad, S.** **2013**, Biological potential of *Phlomis bracteosa*. *Life Science Journal* 10, 3954.
5. Ullah, R.; Ullah, Z.; Hussain, I.; **Ahmad, S.** **2013**, Phlomiside: A New Steroid from *Phlomis bracteos*. *Arabian Journal of Chemistry (In Press Accepted)*
6. Ullah, R.; Hussain, I.; **Ahmad, S.** **2013**, Diocanol; One new phenol derivative isolated and characterized from *Urtica dioica*. *Arabian Journal of Chemistry (In Press Accepted)*
7. Ullah, R.; Hussain, I.; .; Khader, A. J.; AbdElsalam, M. N.; **Ahmad, S.**; Jan, S.; Khan, K. **2013**, Anti-bacterial and Essential Oil Analysis of the Medicinal Plant *Adhatoda vasica* leaves. *Life Science Journal* 10, 787.

2012.

8. **Ahmad, S.**; Arfan, M.; Riaz, N; Ullah, R.; Shah, Z and Ali shah U. A. **2012**, Royleanumin, a New Phytotoxic neo-Clarodane Diterpenoid from *Teucrium royleanum* *Natural Product Communication* 7, 1137.
9. **Ahmad, S.**; Khader, A. J; Gilani, S. S; Khan, S; Noor, S; Ullah, R.; Hussain, I.; Kanwal, F.; Ullah, H. and Shah, Z. **2012**, Determination of mineral and toxic heavy elements in different brands of black tea of Pakistan *African Journal of Pharmacy and Pharmacology* 6, 1194. 22.
10. **Ahmad, S.**; Khader, A. J.; Ullah, R.; AbdElsalam, M. N.; Salah ud Din, Khan, R. and Mehmood, S. **2012**,

- Phytochemical analysis and antimicrobial activity of *Persea duthiei* African Journal of Pharmacy and Pharmacology 6, 3302, 29.
11. Muhammad, Z.; **Ahmad, S.***; Ullah, R.; Ullah, F. and Jan, S. **2012**, Isolation and Characterization of Two New Compounds from the Genus *sonchus*. Biomedical & Pharmacology Journal 5, 65.
 12. Khan, N.; Hussain, T. S.; Saboor, A.; Jamila, N; **Ahmed, S.**; Ullah, R.; Ullah, Z.; Ali, S.; Lee, S. and Kim, S. K. **2012**, Bacteriological investigation of ground water sources in selected urban areas of district Mardan, Khyber Pakhtunkhwa, Pakistan. African Journal of Biotechnology 11, 11236.
 13. Khan, N.; Hussain, T. S.; Hussain, J.; Jamila, N; **Ahmed, S.**; Ullah, R.; Ullah, Z.; Ali, S.; Saboor, A. **2012**, Chemical and microbial investigation of drinking water sources from Kohat, Pakistan International Journal of Physical Sciences 7, 4093.
 14. Abdeltawab, A. A.; Ullah, Z.; Al-Othman, M. A.; Ullah, R.; Hussain, I.; **Ahmad, S.**; and Talha, M. 2012, Evaluation of the chemical composition and element analysis of *Urtica dioica*. African Journal of Pharmacy and Pharmacology 6, 1555.
 15. Khan, N.; Hussain, T. S.; Hussain, J.; Jamila, N; **Ahmed, S.**; Ullah, R.; Ullah, Z.; and Saboor, A. **2012**, International Journal of Water Resources and Environmental Engineering 4, 302.
 16. Khader, A. J, **Ahmad, S.**; AbdElsalam, M. N.; Ullah, R.; and Islam, M. **2012**, Antifungal Activities of Different Crude Fractions of *Aerva javanica* Journal of Pure and Applied Microbiology 4, 1849.

2011.

17. **Ahmad, S.**; Arfan, M.; Ullah, R.; Khan, A. L.; Khan, R.; Hussain, J.; Khan, N.; Muhammad, Z. and Watanabe, K. N. **2011**, Allelopathy of *Teucrium Royleanum* Wall. Ex Benth. from Pakistan. Journal of Medicinal Plants Research 5, 765.
18. Hussain, J.; Muhammad, Z.; Ullah, R.; Jamila, N.; Khan, F. U.; Nishan, U.; **Ahmad, S.**; Ayaz, S.; Tahir, M. **2011**, Carbonic anhydrase II inhibition, urease inhibition and antioxidant activity of crude extract of *Sonchus eruca*. Journal of Pharmacy Research. 4, 967.
19. Hussain, J.; Muhammad, Z.; Ullah, R.; Jamila, N.; **Ahmad, S.**; Khan, N.; Ayaz, S.; and Haider, S. **2011**, Biotransformation of β -estradiol isolated from *Sonchus eruca*. African Journal of Biotechnology 10, 5529.
20. Hussain, I.; Ullah, R.; Khan, N.; Ayaz, S.; **Ahmad, S.**; Shanzeb, Ahmed, M.; Hasan, T. P. and Khan A .F. Phytochemicals and inorganic profile of *Calendula officinale* and *Sonchus asper*. African Journal of Pharmacy and Pharmacology **2011**, 5, 1813.

2010.

21. Khan, A. L.; Hussain, J.; Hamayun, M.; Gilani, S. A.; **Ahmad, S.**; Rehman, G.; Kim, Y.; Kang, S.; and Lee, I.; **2010**, Secondary Metabolites from *Inula britannica* L. and Their Biological Activities. *Molecules*. *15*, 1562.
22. Hussain, J.; Muhammad, Z.; Ullah, R.; Khan, F. U.; Rehman, N. U.; Khan, N.; **Ahmad, S.**; Naseem, M.; Khan, F. and Ismail, M. Proximate composition and metal evaluation of four selected medicinal plant species from Pakistan. *Journal of Medicinal Plants Research*. **2010**, *4*, 1370.
23. Ullah, R.; Hussain, Z.; Iqbal, Z.; Hussain, J.; Khan, F. U.; Khan, N.; Muhammad, Z.; Ayaz, S.; **Ahmad, S.**; Rehman, N. U.; and Hussain I. Traditional uses of medicinal plants in Darra Adam Khel NWFP Pakistan *Journal of Medicinal Plants Research*. **2010**, *4*, 1815.
24. Hussain, S.; Jamil, M.; Ullah, F.; Khan, A. U.; Ullah, F.; Arfan, M.; **Ahmad, S.**; and Khatoon, L. **2010**, Antimicrobial and antioxidant activities of the plant *Heliotropium strigosum*. *African Journal of Biotechnology*. *9*, 7738.

2008

25. Arfan, M.; Khan, R.; Anjum, S.; **Ahmad, S.**; Choudhary M. I. **2008**, Water promoted, microwave-assisted oxidative novel deamination of N-aminoquinazolinones. *Chinese Chemical Letters*, *19*, 161.

2007

26. Saroglou, V.; Arfan, M.; **Ahmad, S.**; Litina, H.; Skaltsa, H. **2007**, Composition and antioxidant activity of the essential oil of *Teucrium royleanum* Wall. ex Benth growing in Pakistan. *Flavour Fragr. J.* *22*, 154.2.
27. Erdemgil, F. Z.; Ilhan S.; Korkmaz F.; Kaplan, C.; Mercangoz A.; Arfan, M.; **Ahmad, S.**; **2007**, Chemical Composition and Biological Activity of the Essential oil of *Perovskia atriplicifolia* from Pakistan. *Pharm Biol*, *45*, 324.

