

Dr. Sabaoon

Email: drsabaoon@wumardan.edu.pk

Objective

To seek up-to-date knowledge and gain practical experience for today's competitive environment and apply to the best of my skill. As an individual gain professional experience and enhance my skills.

Academic Qualifications

Degree	Board/University	Year	Major	Division
Ph. D.	PMAS-Arid Agriculture University, Rawalpindi	2022	Plant Sciences/pharmacology of plants	1 st
M. Phil.	PMAS-Arid Agriculture University, Rawalpindi	2016	Botany	1 st
Masters	PMAS-Arid Agriculture University, Rawalpindi	2014	Botany	1 st

Research Experience

- 1- 8 month research scholarship in KU Leuven Belgium for project "isolation of anticancer and anti-aging compounds from medicinal plant.
- 2- 3 year's research experience in the department of Botany in "PMAS Arid agriculture university Rawalpindi"
- 3- 2 year's research experience in the Department of Biotechnology in "PMAS Arid agriculture university Rawalpindi"
- 4- Approved supervisor for master and bachelor students in Higher Education Commission of Pakistan

Work Experience

- 1- Currently working as Lecturer of Botany in Women University Mardan.
- 2- Approved supervisor for master and bachelor students in Higher Education Commission of Pakistan
- 3- 4 years' Experience as Lecturer of Biology and chemistry in Roots international school for IGCSE/O-level teacher.

Research Interest

- Medicinal Plants, Pharmacology
- Biodiversity Conservation (with particular reference to important medicinal plants)
- Characterization of important phytochemicals from plants especially responsible for Food flavors.
- Characterization of important phytochemicals from plants especially antioxidant and antitumor.
- Profiling of phytochemicals in edible plants through LC- MS

M. Phil. Thesis Title: Phytochemical screening and analysis of redox protective activities of *Gymnosporia royleana*

Ph. D. Thesis Title: Screening antioxidant compounds from selected medicinal plants of Marghalla Hills National Park.

Awards:

- Awarded laptop from prime minister of Pakistan on merit.
- 8 month research scholarship in KU Leuven Belgium from HEC Pakistan
- Certified IPFP Fellow of Higher education commission Pakistan

Papers Published:

1. Saboon, Yamin Bibi, Samha Al Ayoubi, Tayyiba Afzal, Sobia Gilani, Khafsa Malik, Abdul Qayyum, Mubashar Hussain, and Sunjeet Kumar. Antioxidant-Activity-Guided Purification and Separation of Octocrylene from *Saussurea heteromalla*. *Separations*. 2023. 10, 107
2. Saboon, Muhammad Arshad, Yamin bibi, Muhammad Sheeraz Ahmad. Multi-elemental analysis of some traditional medicinal plants from Marghalla Hill. National Park, Pakistan. *J. Pure Appl. Agric.* 2022, 7, 29–42
3. Saboon, Muhammad Arshad, Muhammad Sheeraz Ahmad, Zia-ur-Rehman Mashwani. Fermentation Enhances Redox Protective Activities of *Gymnosporia royleana* Wall. ex Lawson Extracts. *Iran J Sci Technol Trans Sci.* 2019, 43, 15–23.
4. Saboon, Yamin Bibi, Muhammad Arshad, Nabeela Ahmad, Iqra Riaz, Sunbal Khalil Chaudhari. An insight into medicinal and ethnopharmacological potential of *Crotalaria burhia*. *Asian Pacific Journal of Tropical Disease.* 2015, 5(7), 511-514.

5. Saboon, Yamin Bibi, Muhammad Arshad, Sidra Sabir, Muhammad Shoaib Amjad, Ejaz Ahmed, Sunbal Khalil Chaudhari. Pharmacology and biochemistry of *Polygonatum verticillatum*: A review. Journal of Coastal Life Medicine. 2016, 4(5), 406-415.
6. Saboon, Iqra Riaz, Nabeela Ahmad, Noshin Ilyas, Nazima Batool and Seemab Gul. Salicylic acid enhances wheat plant growth under water stress conditions. Int. J. Biol. Biotech. 2015, 12(2), 329-336.
7. Ashfaq Ahmad Khan, Muhammad Shoaib Amjad, Saboon: GC-MS Analysis and Biological Activities of *Thymus vulgaris* And *Mentha arvensis* Essential Oil. Turkish Journal of Biochemistry (TJB). 2019, 44(3), 388-396.
8. Zainab Tahir, Sunbal Khalil Chaudhari, Sohaib Arshad, Muhammad Shoaib Amjad, Saboon. Botanical Demography and Traditional Uses of Plants of Kaghan Valley. Fresenius Environmental Bulletin. 2018, 27(9), 5940
9. Akhlaq, R., Amjad, M. S., Qaseem, M. F., Fatima, S., Chaudhari, S. K., Khan, A. M., Khan, S., Malik, N. Z., Gardazi, S. M. H., Bibi, A., Saboon. Species Diversity And Vegetation Structure From Different Climatic Zones Of Tehsil Harighel, Bagh, Azad Kashmir, Pakistan Analysed Through Multivariate Techniques. Applied Ecology and Environmental Research. 2018, 16(4):5193-5211
10. Sidra Sabir, Rahmatullah Qureshi, Muhammad Arshad, Muhammad Shoaib Amjad, Sammer Fatima, Maria Masood, Saboon, Sunbal Khalil Chaudhari. Pharmacognostic and clinical aspects of *Cydonia oblonga*: A review. Asian Pacific Journal of Tropical Disease. 2015, 5(11), 850-855.
11. Nabeela Ahmad, Yamin Bibi, Saboon, Iqra Raza, Kulsoom Zahara, Saiba idrees, Nadia Khalid, Tasneem Bashir, Shaista Tabassum, Mudrikah. Traditional uses and pharmacological properties of *Alhagi maurorum*: A review. Asian Pacific Journal of Tropical Disease. 2015, 5(11), 856-861.
12. Sadia Khurshid, Muhammad Shoaib Amjad, Kainat Fatima Malik, Sidra Sabir, Saboon. Clinical and therapeutic potential of *Aconitum heterophyllum*. Journal of Coastal Life Medicine. 2015, 3(12), 1003-1005
13. Saiba Idrees, Rahmatullah Qureshi, Yameen Bibi, Aqsa Ishfaq, Nadia Khalid, Anam Iftikhar, Anam Shabir, Iqra Riaz, Saboon and Nabeela Ahmad. Ethnobotanical and biological activities OF *Leptadenia pyrotechnica* (Forssk.) Decne.: a review. Afr J Tradit Complement Altern Med. 2016, 13(4), 88-96.
14. Huma Mehreen Sadaf, Yamin Bibi, Iqra Riaz, Saboon, Muhammad Asim Sultan, Fatima Bibi, Muhammadi Bibi, Mubashir Hussain, Sidra Sabir. Pharmacological aptitude and profiling of active constituent from *Otostegia limbata*-Comprehensive review. Asian Pacific Journal of Tropical Disease. 2016, 6(11), 918-924.

15. Ejaz Ahmed, Muhammad Arshad, Muhammad Zakriyya Khan, Muhammad Shoaib Amjad, Huma Mehreen Sadaf, Iqra Riaz, Sidra Sabir, Nabila Ahmad and Saboon. Secondary metabolites and their multidimensional prospective in plant life. *Journal of Pharmacognosy and Phytochemistry*. 2017, 6(2), 205-214.
16. Sidra Sabir, Muhammad Arshad, Saboon, Seema Hassan Satti, Tayyaba Batool, Farah Farqaulit, Sunbal Khalil Chaudhari. Effect of green synthesized copper nanoparticles on seed germination and seedling growth in wheat. *International Journal of Biosciences*. 2018, 13(2), 28-35.

Book chapter

1. Saboon, Sunbal Khalil Chaudhari, Sohaib Arshad, Muhammad Shoaib Amjad, and Mohd Sayeed Akhtar. Natural compounds extracted from medicinal plants and their applications. *Natural Bio-active Compounds - Volume 1: Production and Applications*. Springer Nature Singapore Pte Ltd. ISBN: 978-981-13-7153-0
2. Nosheen Nawaz, Sunbal Khalil Chaudhari, Sohaib Arshad, Hira Fatima, Muhammad Shoaib Amjad, Saboon. Biological activities and nutritional value of *Physalis peruviana* L. *Natural Bio-active Compounds - Volume 1: Production and Applications*. Springer Nature Singapore Pte Ltd. ISBN :978-981-13-7153-0

Reviewer

1. Reviewer in “**Journal of Ethnopharmacology**”.
2. Reviewer in journal of “**Natural Product Research**”.

Workshops

1. Two day workshop on mushrooms hunting, cultivation and cooking at national mushroom festival, PMNH, Islamabad
2. World wild life day 3 march. The future of wildlife is in our hands. Islamabad
3. RSC Pakistan 1st International Conference on Medicinal Chemistry and Drug Discovery

Presentations:

1. Saboon, M. Arshad. Phytochemical screening and analysis of redox protective activities of *Gymnosporia royleana*. M.Phil seminar meeting, Botany Department, PMAS Arid Agriculture University, 2016, Rawalpindi.

2. Saboon, M. Arshad. Screening antioxidant compounds from selected medicinal plants of Marghalla Hills National Park. Synopsis seminar meeting, Botany Department, PMAS Arid Agriculture University, 2018, Rawalpindi.

Specialties

MS office (2003, 2007, 2010, 2013)

SPSS

Prisampad

HPLC

Silica gel column chromatography

Spectroscopy

Biological activities

Cell culture

Personal

- Father's Name Saif-ul-Islam
- Date of birth 11-03-1993
- Religion Islam
- Nationality Pakistani