



Dr. GAZALA QAZI

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📍 Lal Bazar, Srinagar,
Jammu and Kashmir, India
PIN Code: 190023

Qualifications

- Ph.D. Environmental Science
- M.Sc. Environmental Science
- Bachelor of Science

Achievements

- Qualified UGC NET Environmental Science
- Qualified JKSET Environmental Science
- Qualified ICAR NET Environmental Science

Key Skills

- Excellent teaching & research skills
- Excellent communication skills
- In-depth knowledge of the subject
- Keen observer & Good listener

SWAYAM Online Course

- Biodiversity and Ecological Resources

Authored & Presented

- 16 International/National Level Research Publication with ISSN
- 2 International Level Book Chapters Springer with ISBN
- 12 International/National Level Abstracts Published
- 6 Research Paper Presentations

Participated

- 1 Workshops
- 2 Seminars
- 3 Training Programs

CAREER OBJECTIVE

- To impart acquired knowledge and experience of teaching and research to foster quality education to the students.
- To develop a strong teaching and learning environment, teaching and learning motivation, and organizing professional training and development programs for the purpose of achieving educational goals and fulfill student needs.
- I possess ability for working hard, application of scientific methods to teaching practices in the institution and contributing towards achievement of institutional goals.
- I am a dedicated professional with a strong commitment to contributing to the success of the institution. My primary goal is to enhance my teaching skills, engage in meaningful research endeavors, and concurrently extend my professional experience, all with the aim of benefiting the institution.

PROFILE SUMMARY

- Proficient in giving conceptual knowledge.
- Excellent knowledge of the subject and also has great practical knowledge.
- Proficient in developing updated lectures and activities to expand learning opportunities.
- An enthusiastic teacher and presenter with about ten years of teaching experience at college and university level in the subject area of Environmental Sciences. Skilled and experienced writer with research papers, abstracts and book chapters published at National and International forums.

HONORS AND AWARDS

- 2nd prize in Minaxi-Lalit Science Award based on a test conducted by Gujarat Science Academy, Physical Research Laboratory, Ahmedabad, 2008.
- 6th rank in Talent Hunt in Science Test for Postgraduate Students organized by the Department of Mathematics in collaboration with the C.C. Patel Community Science Center, Sardar Patel University, Gujarat, 2008.

WORK EXPERIENCE

TEACHING EXPERIENCE: 10 YEARS

- **Roles and Responsibilities**
 - **Lecturer on Contractual basis** **2014-2019**
Department of Higher Education, J&K
 - **Assistant Professor on Contractual basis** **2020-2021**
Cluster University Srinagar, Kashmir
 - **Lecturer on Contractual basis** **2022-Present**
University of Kashmir, Srinagar

NATIONAL/STATE LEVEL ACHIEVEMENTS

Test	Institute	Year
UGC - National Eligibility Test	National Testing Agency	2019
JKSET	J&K SET Agency, University of Kashmir	2016
National Eligibility Test	ASRB - ICAR	2010

EDUCATIONAL QUALIFICATIONS AND ACHIEVEMENTS

Course	Institute	Year	Percentage	Key Highlights
Doctor of Philosophy [Ph.D. in Environmental Science]	SKAUST-Kashmir	2013	88.50	<ul style="list-style-type: none"> Rank 1st Grade 8.85 [OGPA] Awarded merit certificate by SKUAST-K for being a topper in Ph.D. <p>Thesis Title: Quantification and Stability of Natural edible dyes from some selected Wild and Cultivated plant species of Kashmir Valley</p> <p>Advisor: Dr. Shoukat Ara</p>
M.Sc. in Environmental Science	Sardar Patel University, Gujarat	2008	71.82	<ul style="list-style-type: none"> Rank 3rd <p>Dissertation Title: Studies on Nutrient Composition and Tree Diversity during Low Temperature Condition of Two Contrast Forests of Rajasthan, India</p> <p>Advisor: Dr. Nirmal Kumar</p>
B.Sc. [Bachelor of Science]	Govt College for Women, M. A. Road, Srinagar	2005	65.72	<ul style="list-style-type: none"> Participated in interschool Debates, Competitions, Sports activities etc.
SSCE [JKBOSE]	Govt Girls Higher Secondary School, Kothi Bagh, Srinagar	2002	70.83	<ul style="list-style-type: none"> Participated in interschool Debates, Competitions, Sports activities etc.
SSE [JKBOSE]	Standard Public School, Hawal, Srinagar	1999	72.20	<ul style="list-style-type: none"> Participated in interschool Debates, Competitions, Sports activities etc.

TECHNICAL SKILL SET

O/S	Windows
Packages	MS Office

LANGUAGE

English, Urdu, Hindi, Kashmiri

RESEARCH PUBLICATION

1. Qazi, G., Kumar J.I.N. & Bhoi, Rohit K. (2010). Nutrient dynamics of teak (*Tectona grandis*) in a dry tropical teak forest of Rajasthan, *International Journal Forestry and Crop Improvement*, **1** (2): 134-138.
2. Qazi, G., Kumar J.I.N. & Bhoi, Rohit K. (2012). Nutrient dynamics of *Acacia nilotica* in an open dry scrubland forest of Rajasthan, *International Journal Forestry and Crop Improvement*, **3** (2): 66-71.
3. Qazi, G., Kumar J.I.N. & Bhoi, Rohit K. (2012). Nutrient dynamics of *Miliusa tomentosa* in a dry tropical teak forest of Rajasthan. *Asian Journal Environmental Science* **7** (1): 73-77.
4. Qazi Gazala, Syed Maqbool Geelani, Kumar. N, J.I. & Rohit, K. B. (2013). Studies on Tree Diversity during Low Temperature Condition in an Open Dry Scrubland Forest of Rajasthan. *Journal of Plant Science Research*. **29**(2): 31-34.
5. Sameer Farooq, Shoukat Ara, Gazala Qazi, Sabia Zafar, A.Q. Rather, Imtiyaz Murtaza & Ghulam Hassan Dar (2013). Investigation of Coniferous Needles as a Raw Material for Pulp/Paper Making. *International Journal Environmental Bioener*. **5**(1): 1-7.
6. Syed Maqbool Geelani, Bhat, S. J. A., Syed Hanifa Geelani, Shams Ul Haq, Naseer Ahmad Mir, Gazala Qazi & Shahid Wani (2013). Review article. Mining and its impacts on environment with special reference to India. *International Journal of Current Research*. **5**(12): 3586-3590.
7. Shoukat Ara, N. Gangal, P.A Khan, S.H. Munshi & Gazala Qazi (2012). Impact of deforestation on some medicinal plants of Gulmarg Range, Kashmir Himalaya. *Geobios*. **39**: 189-192.
8. Syed Maqbool Geelani, Shoukat Ara, Naseer A. Mir, S. J. A. Bhat, P.K. Mishra, Hameed O. M. & Gazala Qazi. Natural dyeing of fabrics using *Quercus robur* L. (fruit cups) dye and *Punica granatum* L. (peel) mordant. (2013). *The Journal of Phytopharmacology*. **2**(6): 52-58.
9. Syed Maqbool Geelani, S.J.A. Bhat, Gazala Qazi, Shazmeen Qasba, Suja N Qureshi, Afaq A Parray, P.K. Mishra, Shoukat Ara, Asif. H. Sofi & P.A. Khan (2015). Utilization of *Quercus robur* L. (Fruit cups) and *Salix alba* L. (wood extract) as dyeing agents for silk and cotton fabrics. *Journal of Industrial Pollution Control*. **31**(2): 227-234.
10. Syed Maqbool Geelani, Shoukat Ara, Pradeep Kumar Mishra, S.J.A. Bhat, Syed Hanifa, Shamsul Haq, Iqbal Jeelani, Gazala Qazi, Asif H Sofi, Shakeel A Mir, P.A. Khan, Sarfaraz A Wani & A S.M. Raja. (2015). Eco-friendly dyeing of wool and pashmina fabric using *Quercus robur* L. (fruit cups) dye and *Salix alba* L. (wood extract) mordant. *Journal of Applied and Natural Science*. **7**(1): 138 – 143.
11. Gazala Qazi, Shoukat Ara, Imtiyaz Murtaza, Syed Maqbool Geelani & Hina Qazi (2016). Analysis of anthocyanins and carotenoids in two varieties of *Calendula officinalis* L. flowers (*International Journal of Agriculture, Environment & Biotechnology*). **9**(4): 545-554.
12. Qazi Gazala, Imtiyaz Murtaza, Shoukat Ara, Hina Qazi, Syed Maqbool Geelani & Shakeel A. Mir. (2016). Characterization and antimicrobial Activity of Some Natural Dye yielding plant species of Kashmir Valley (*Journal of Industrial Pollution Control*. **32**(2): 518-528.
13. Gazala Qazi, Shoukat Ara, Imtiyaz Murtaza & Hina Qazi (2017). Analysis of Anthocyanins, Carotenoids

and Colour Degradation of European Blackberry (*Rubus Fruticosus* L.) of Kashmir Valley. *Journal of Research and Development*.17: 66-75.

14. Qazi Gazala, Shoukat Ara, KM Ansari, Imtiyaz Murtaza & Hina Qazi (2018). Cytotoxicological evaluation of semi-purified extracts of some dye yielding plants of the Kashmir Valley on Normal Intestinal Cell Line (IEC-6) by MTT assay. *The Journal of Phytopharmacology*. 7(1): 5-9.
15. Gazala Qazi, Shoukat Aral & Hina Qazi (2018). Influence of Storage Conditions on Anthocyanins, Carotenoids and Color Quality Of Red Amaranth (*Amaranthus hybridus* L.) of Kashmir Valley. *International Journal of Advance Research in Science and Engineering*. 7(4): 2097-2105.
16. Zubair Ahmad Dar, Javeed Iqbal Ahmad Bhat, Gazala Qazi, Sartaj Ahmad Ganie, Azra Amin, Shabeena Farooq, Arifa Nazir & Akhtar Rasool (2022). Municipal sewage sludge, aquatic weed compost on soil enzymatic activity and heavy metal accumulation in Kale, (*Brassic, oleracea* L.). ISSN: 2190-5487 | E ISSN: 2190-5495 | *Journal of Applied Water Science* 13(2): 1-12.

ABSTRACTS PUBLISHED IN INTERNATIONAL AND NATIONAL CONFERENCES

1. Gazala Qazi, Nirmal Kumar, J.I and Rohit Kumar Bhoi (2011). Nutrient dynamics of teak (*Tectona grandis*) in a dry tropical teak forest of Rajasthan. Two day National Conference on “Recent trends in Biosciences”. (October 3rd – 4th, 2011) Organised by Department of Biochemistry and Biotechnology, Sri Pratap College, Srinagar. p45.
2. Gazala Qazi, Nirmal kumar, J.I and Rohit Kumar Bhoi.(2011).Studies on tree diversity during low temperature condition in an open dry scrubland forest of Bhilwara, Rajasthan. Two day National Conference on “Recent trends in Biosciences”. (October 3rd – 4th, 2011) Organised by Department of Biochemistry and Biotechnology, Sri Pratap College, Srinagar. p46.
3. Gazala Qazi, Shoukat Ara, Imtiyaz Murtaza, Syed Maqbool Geelani, Hina Qazi, Sameer Farooq and Shakeel. A. Mir.(2015). Natural Dye yielding potential and antibacterial activity of *Indigofera heterantha* Wall. and *Fragaria nubicola* Lindl. ex Lacaita of Kashmir Valley. State Level symposium On “Prospects and challenges of domestication and commercialization of Non Timber Forest Products (NTFPs) including bamboos in J&K” March 19-20th, 2015. Organised by Centre for Medicinal and Aromatic Plants, Faculty of Forestry, SKUAST-Kashmir. p39.
4. Syed Maqbool Geelani, Shoukat Ara, P. K. Mishra, S.J.A. Bhat, Naseer A Mir, Shamsul Haq, Syed Hanifa, Gazala Qazi, Iqbal Jeelani, Asif. H. Sofi, Shakeel A. Mir, Sarfaraz A. Wani and P.A. Khan. (2015). Utilization of *Quercus robur* L. (fruit cups) and *Salix alba* L. (wood ash) as commercially viable natural dye source in dyeing industries. State Level symposium On “Prospects and challenges of domestication and commercialization of Non Timber Forest Products (NTFPs) including bamboos in J&K” March 19-20th, 2015. Organised by Centre for Medicinal and Aromatic Plants, Faculty of Forestry, SKUAST-Kashmir.p4.
5. Gazala Qazi, Hina Qazi, Imtiyaz Murtaza, Sameer Farooq, Syed Maqbool Geelani, Shoukat Ara and Hina Mushtaq ,(2015). Studies on the leaves of Burr Marigold (*Bidens tripartita* L.) as a source of Natural Dye. Two-day National Interdisciplinary Science Conference (NIS’CON-15) ‘Recent Research Trends in Chemical and Environmental Sciences’ August 18 and 19, 2015. p49-50.
6. Hina Mushtaq, Mumtaz M. Bhat, S.A. Shameem, Qaisar B. Tantry and Gazala Qazi. (2015) Study on changes in nutrient lock-up efficiency and biochemical characteristics of *Nymphaea alba* in Nigeen Basin of Dal Lake. Two-day National Interdisciplinary Science Conference (NIS’CON-15) ‘Recent Research Trends in Chemical and Environmental Sciences’ August 18 and 19, 2015. p50-51.

7. Gazala Qazi, K.M Ansari, Imtiyaz Murtaza, Hina Qazi, Shoukat Ara, Syed Maqbool Geelani and Hina Mushtaq. 2015. Cytotoxicological Evaluation of Semi-purified Extracts of *Rubia cordifolia* L. (Indian Madder) by MTT assay. 11th JK Science Congress 2015 ‘Scientific, Social and Economic dimensions of Climate Change’ October 12-14, 2015. p 245-246.
8. Hina Mushtaq, Mumtaz M. Bhat, Aasimah Tanveer, Aftab A. Bhat, S.A. Shameem, Qaiser B. Tantry and Gazala Qazi. 2015. Evaluation of Biochemical Characteristics and Nutrient Lock-up efficiency of *Nymphaea alba* in Nigeen Basin of Dal Lake. 11th JK Science Congress 2015 ‘Scientific, Social and Economic dimensions of Climate Change’ October 12-14, 2015. p235.
9. Gazala Qazi, Shoukat Ara, Imtiyaz Murtaza, Hina Qazi and Syed Maqbool Geelani. 2017. Natural dye yielding potential of *Rubus fruticosus* L. of Kashmir valley. 3-Day National Workshop on “Disaster Resilience of Kashmir in the Face of Climate Change”. November 13-15, 2017. p148.
10. Gazala Qazi and Shoukat Ara. Influence of storage conditions on anthocyanins, carotenoids and color of *rubia cordifolia* l. of Kashmir Valley. 13th Session of J&K Science Congress-Emerging Technologies and Human Society: Applications and Constraints, University of Kashmir.
11. Gazala Qazi and Shoukat Ara. Effect of storage conditions on anthocyanins, carotenoids and color quality of *Prunella vulgaris* L. Of Kashmir valley. 3rd International Research conference during 29 to 31 July, 2018 on “Ecotourism and Environment” at Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir.
12. Gazala Qazi, Shoukat Ara, Imtiyaz Murtaza, Fayaz Ahmad Dar and Hina Qazi. Influence of different storage conditions on pigment content and color quality of *Celosia argentia* L. var *plumose* of Kashmir region. International Conference on Worldwide Research Initiatives for Agriculture, Science and Technology (WRIAST-2018), 24-26, Oct, 2018.

BOOK CHAPTERS PUBLISHED

1. Gazala Qazi and Fayaz Ahmad Dar. Nano-agrochemicals: Economic Potential and Future Trends. In: “Nanobiotechnology in Agriculture”. Nanotechnology in Life Science [Eds. K.R. Hakeem and T.B. Pirzadah]. Publisher: Springer Nature 2020. ISBN No. 978-3-030-39978-8. DOI: https://doi.org/10.1007/978-3-030-39978-8_11.
2. Dar FA, Qazi Gazala, Pirzadah TB. (2020). Nano-Biosensors: NextGen Diagnostic Tools in Agriculture. In: “Nanobiotechnology in Agriculture”. Nanotechnology in Life Science [Eds. K.R. Hakeem and T.B. Pirzadah], Publisher: Springer Nature Switzerland. ISBN No. 978-3-030-39978-8. DOI: https://doi.org/10.1007/978-3-030-39978-8_7.

WORKSHOPS ATTENDED

1. Workshop on “Novel techniques for Pollution Prevention” organized by Chemical Engineering, G.H. Patel College of Engineering and Technology, 2007.

SEMINARS

1. Seminar on Environmental protection, industrial hygiene and safety at BVM’s diamond jubilee celebration, 2008.

2. Seminar on “Industrial Hygiene Practices” organized by Institute of Science and Technology for Advanced Studies and Research, and Central Industrial hygiene Association at ISTAR, 2008.

TRAINING PROGRAMME

1. Three weeks training in Plant Tissue Culture Laboratory, Centre of Research for Development (CORD), Kashmir University, 2007.
2. Three days training on HPLC, ICP and GC at the Sophisticated Instrumentation Centre for Applied Research and Testing (SICART), Vallabh Vidyanagar, 2007.
3. Training programme on the awareness about ISO 14001: 2004 (Environmental Management System) and OHSAS 18001 (Occupational Health and Safety Management System) held at ISTAR, 2008.

ONLINE CERTIFICATE COURSES in SWAYAM/MOOC

1. Biodiversity and Ecological Resources [February, 2022].

ACADEMIC ACTIVITIES

1. Member organizing committee “Science-Policy-Society Interface” Sponsored by SERB-DST under Scientific Social Responsibility (SSR) held at Department of Environmental Science, University of Kashmir, 2022.

REFERENCES

1. Name: **Prof. Dr. Shoukat Ara,**
Designation: Professor & Head
Department: Department of Environmental Sciences,
SKUAST-K, Shalimar, J&K, India
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2. Name: **Prof. Dr. Nirmal Kumar J.I.**
Designation: Principal and Professor, ISTAR
Department: P.G. Department of Environmental Science and Technology, Institute of Science and Technology for Advanced Studies and Research (ISTAR), Affiliated to Sardar Patel University, Gujarat
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3. Name: **Prof. Dr. Imtiyaz Murtaza**
Designation: Professor cum Chief Scientist & Head
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