

Curriculum Vitae



Dr. S.M. Zuber

M.Sc (Zoology), M.Phil., Ph.D.

Hon. General Secretary

The Himalayan Ecological & Conservation Research Foundation (HECRF)

43, L.No 16/B Rajpura (Mangotrian) P.O. Shaktinagar Jammu

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PARENTAGE

Prof. (Retd.) A.M. Sofi (Father)

Smt. Zareefa Ali (Mother)

D.O.B.

April 11, 1978

PERMANENT ADDRESS

Village Seer Hamdan BPO Seer Hamdan

Tehsil & District Anantnag (J&K)

Jammu and Kashmir

India

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EDUCATIONAL QUALIFICATION

1. Master of Science in Zoology from University of Jammu (2001).
2. Master of Philosophy in Zoology from University of Jammu (2003).
3. Doctor of Philosophy in Zoology from University of Jammu (2007).

Academic Performance

S. No.	Class/Degree	Institution	Year of Passing	%age	Grade/Div.
1.	Matric	JKBOSE	1993	68.62	Ist
2.	Intermediate	JKBOSE	1995	59.0	2 nd
3.	B.Sc.	Univ. of Jammu	1998	72.06	Ist
4.	M.Sc.	Univ. of Jammu	2000	62.75	Ist
5.	M.Phil.	Univ. of Jammu	2003	-	O
6.	Ph.D.	Univ. of Jammu	Awarded 2007		

Specialization

Limnology (Ecology) in M. Sc.

Parazology in M. Phil.

Ecological Economics in Ph. D.

Title of M.Phil. Dissertation:

"Diversity, Distribution and Altitudinal variation in the sponges inhabiting the freshwaters of Jammu, J&K."

Title of Ph.D. Thesis:

"Ecology and Economic valuation of Lake Mansar Jammu".

RESEARCH EXPERIENCE

- 7 Years (including M. Phil. and Ph.D.)
- Senior Research Fellow in DST sponsored project, "Status, Survey and Biology of Mahseer with special reference to its rehabilitation in Chenab waters" at Department of Zoology, University of Jammu.

CURRENT STATUS

- Assistant Professor, Department of Zoology, Govt. Degree College Bijbehara, Kashmir (June 2017 - Till Date).
- NSS Programm Officer (August 2017 - March 2021)
- Co-ordinator Red Ribbon Club (August, 2017 - Till Date)
- Assistant Professor, Department of Zoology, Govt. Degree College Boys Anantnag, Kashmir (June 2014 - June 2017).
- Assistant Professor, Department of Zoology, Govt. Degree College Shopian, Kashmir (May 2010- June 2014).
- Lecturer on Contractual basis (Two Years) at Govt. Degree College (Boys) Khanabal, Anantnag, Kashmir (March 2008- March 2010).

RESEARCH INTERESTS

To grow in the vast arena of science with learning a pitude and serving the society by teaching

Other Experiences

1. Attended Entrepreneurship Awareness Camp organized by J&K Industrial and Technical Consultancy Organization Limited and Department of Zoology, University of Jammu, Jammu from 22nd Feb., 2007 to 24th Feb. 2007.
2. Attended four weeks UGC sponsored Orientation Course organized by Academic Staff College, Jawahar Lal Nehru University during 31st of Jan., 2011 to 25th Feb., 2011.
3. Provided Consultancy to The Himalayan Ecological and Conservation Research Foundation, J&K for management of Dul Dam Kishtwar from 12-03-2011 to 14-03-2011.
4. Attended three weeks UGC sponsored Refresher Course organized by Academic Staff College, University of Jammu during 28th of Jan., 2013 to 19th Feb., 2013.
5. Attended three weeks UGC sponsored Refresher Course organized by Academic Staff College, University of Jammu during 28th of Feb., 2019 to 19th Feb., 2019.
6. As member Coordination Cell screened research projects submitted by faculty members of colleges and universities of J&K with Higher Education Department from December 27, 2019 to January 09, 2020.
7. Attended two weeks Faculty Development Programme (Equivalent to Refresher Course) on "**RECENT ADVANCES IN RESEARCH METHODOLOGY (RARM-2020)**" organized by Coordination Cell Higher Education Department, J&K vide Govt. Order No. HE/PROP/RM/2020/847 Dated: 20/01/2020 from 10th February, 2020 to 25th February, 2020 at Govt. College of Education, Canal Road Jammu.
8. As member Coordination Cell Higher Education Department provided consultancy in designing and developing curriculum for under graduate level in the light of Draft National Education Policy, 2019 and UGC guidelines from 27th December, 2019 to 19th March, 2020.
9. Attended two weeks (Online) Faculty Development Programme on "**TRANSFORMATION IN HIGHER EDUCATION: ISSUES AND ROAD AHEAD**" organized by Government Degree College for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Center, Hansraj College, University of Delhi

10. Attended two weeks UGC sponsored Refresher Course organized by Academic Staff College, University of Kashmir (In Online Mode) during 2nd Jan., 2021 to 15th Jan., 2021.
11. Attended three days online Faculty Development Programme on "CUTTING EDGE TECHNOLOGIES IN BIO-ENGINEERING (CETB-2021) organized by Department of Biotechnology, Madha Engineering College, Chennai from 20th Jan., to 22nd Jan., 2021

CONFERENCES / WORKSHOPS ATTENDED

A) INTERNATIONAL

1. **XXXIV Annual Conference of Indian Society of Human Genetics on "Human Genome and Genetic Disorders**
 Organized by : Department of Zoology, University of Jammu in Collaboration with Government Medical College, Jammu
 From-To : 7-02-2003 to 9-02-2003
 Participation Nature : Participated as organiser
2. **Environment and Development: Challenges and Opportunities**
 Organized by : Swami Shraddhanand College, University of Delhi, Alipur, Delhi - 36 (India)
 From-To : 4-03-2005 to 6-03-2005
 Participation Nature : Oral Paper Presentation & Rapporteur in a technical session
3. **Recent Developments in Science, Humanities & Management**
 Organized by : Amar Singh College, Cluster University Srinagar
 From-To : 17-04-2018 to 18-04-2018
 Participation Nature : Presented paper
4. **Stress Management: Dimensions and Suggestive Measures**
 Organized by : Department of Psychology, Govt. Degree College for Women Anantnag in collaboration with Institute of Public Policy Research & Development.
 From-To : 12-06-2019 to 13-06-2019
 Participation Nature : Simple Participant

B) NATIONAL

1. **Indian Fisheries: Status and Prospects in relation to Environmental Dynamics**
 Organized by : P.G. Department of Zoology, University of Jammu
 From-To : 3-03-2001 to 5-03-2001
 Participation Nature : Simple Participant as Organiser
2. **Interdisciplinary Approaches in Zoological Research**
 Organized by : P.G. Department of Zoology, University of Kashmir
 From-To : 29-03-2003 to 1-01-2003
 Participation Nature : Oral Presentation
3. **Water Crisis and Remedial Management**
 Organized by : Ministry of Earth Sciences, Government of India and KVA DAV College for Women, Karnal, Haryana with sponsorship from UGC
 From-To : 21-11-2007 to 22-11-2007
 Participation Nature : Oral Presentation
4. **Managing Climate Change: Molecules to Communities**
 Organized by : Department of Zoology, Kurukshetra University Kurukshetra
 From-To : 21-03-2009 to 22-03-2009
 Participation Nature : Oral Presentation

5. **Women, Environmental Education and Climate Change**
 Organized by : All India Foundation for Peace and Disaster Management supported by The American Center, New Delhi India)
 From-To : 28-05-2010 to 29-05-2010
 Participation Nature : Oral Paper Presentation
 6. **Recent Advances in Chemical Sciences: Emphasis on Healthy Life (Race for Healthy Life)**
 Organized by : Department of Engineering Chemistry, ITM GOI & ITM University Gwalior with sponsorship from M.P. Council of Science and Technology (MPCST), Bhopal
 From-To : 21-09-2012 to 22-09-2012
 Participation Nature : Oral Presentation
 7. **Recent Advances in Chemical and Environmental Sciences: Emphasis on outcome of Chemicals on Environment, Agriculture and Human Health**
 Organized by : Department of Chemistry and Environmental Science, School of Sciences, ITM University Gwalior.
 From-To : 30-03-2018
 Participation Nature : Oral Presentation
 8. **Animal Science Congress: Horizons in Zoological studies**
 Organized by : Department of Zoology, University of Kashmir.
 From-To : 04-08-2018 to 06-08-2018
 Participation Nature : Rapporteur in a Technical session
- C) **STATE**
1. **Present Scenario of Ecological Research in Jammu and Kashmir**
 Organized by : Centre of Research and Development and P.G. Department of Environmental Studies
 From-To : 26-03-2003 to 27-03-2003
 Participation Nature : Oral Presentation
 2. **Ist J&K State Science Congress**
 Organized by : University of Jammu, Jammu
 From-To : 7-02-2005 to 9-02-2005
 Participation Nature : Simple Participant
 3. **Dimensions of Urban Pollution: Causes, Effects and Control**
 Organized by : The Himalayan Ecological and Conservation Research Foundation, J&K
 From-To : 04/10/2010
 Participation Nature : Presented a Paper
 4. **Biodiversity and its Management for Food, Livelihood and Environmental Security**
 Organized by : Department of Zoology, Govt. Degree College Doda
 From-To : 18/12/2013
 Participation Nature : Presented a Paper
 5. **Innovation Trends in Biodiversity Conservation**
 Organized by : Department of Biosciences, GDC Mendhar
 From-To : 08-03-2017
 Participation Nature : Oral Presentation
 5. **Conserve Water: Conserve Life**
 Organized by : Department of Biosciences, GDC Mendhar
 From-To : 12-04-2021
 Participation Nature : Invited Lecture

WORKSHOP

National

1. **Environmental Studies at Katra - Vaishnov Devi Stretch**
Organized by : Pollution Control Research Institute, BHEL, Haridwar
From-To : 10-09-2001 to 15-09-2001
Participation Nature : Participated & Contributed
2. **Teachers Training Workshop**
Organized by : J&K State Pollution Control Board at Doda
From-To : 05-03-2003 to 06-03-2001
Participation Nature : Participated as Learner
3. **Entrepreneurship Awareness Camp**
Organized by : J&K Industrial and Technical Consultancy Organisation Limited and Department of Zoology, University of Jammu, Jammu
From-To : 22-02-2007 to 24-02-2007
Participation Nature : Participated as Learner
4. **Information Technology & Disaster Management**
Organized by : All India Foundation for Peace and Disaster Management in collaboration with National Institute of Disaster Management (Ministry of Home Affairs, Govt. of India)
From-To : 25-04-2009
Participation Nature : Oral Presentation
5. **Quality Concerns of Higher Education and Role of NAAC - Need for implementation of total quality**
Organized by : Higher Education Department, Govt. of Jammu and Kashmir in collaboration with IAQC, Govt. College of Education, M.A. Road, Srinagar
From-To : 13-12-2010 to 14-12-2010
Participation Nature : Participated as IQAC Coordinator
6. **Teaching, Learning and Evaluation in Higher Education: Emerging Trends**
Organized by : Amar Singh College, Cluster University, Srinagar
From-To : 20-12-2017 to 21-12-2017
Participation Nature : Participant
7. **Anthropogenic environmental perturbations and role of environmental stewards in sustainable environment**
Organized by : Department of Botany, Govt. Degree College Women Anantnag
From-To : 24/03/2018 - 26/03/2018
Participation Nature : Participant

International

1. **Faith Based Reconciliation**
Organized by : Institute For Reconciliation, Srinagar in collaboration with International Centre For Religion and Diplomacy, Washington D.C. at Hotel Asia, Jammu
From-To : 10-03-2002 to 14-03-2002
Participation Nature : Participated as Learner
2. **Faith Based Reconciliation**

Organized by : Institute For Reconciliation, Srinagar in collaboration with International Centre For Religion and Diplomacy, Washington D.C. at Hotel Asia, Jammu

From-To : 6-01-2003 to 9-01-2003

Participation Nature : Participated as Learner

3. Faith Based Reconciliation

Organized by : Institute For Reconciliation, Srinagar in collaboration with International Centre For Religion and Diplomacy, Washington D.C. at Hotel Highlands Park, Gulmarg, Kashmir

From-To : 1-06-2003 to 5-06-2003

Participation Nature : Participated as Learner

CONFERENCES/ SEMINARS AND WORKSHOP ORGANIZED:

1. One day conference on **"HIGH ALTITUDE ECOLOGY"** under the banner of "The Himalayan Ecological and Conservation Research Foundation, Jammu," at Kargil, J&K, INDIA, 2006 (District Conference Hall of **LADAKH AUTONOMOUS HILL DEVELOPMENT COUNCIL, KARGIL**)
2. One day seminar on **"ROLE OF WOMEN IN ENVIRONMENT CONSERVATION"** under the banner of "The Himalayan Ecological and Conservation Research Foundation, Jammu," organized at Doda, J&K, INDIA, 2006 (Seminar hall, Govt. Degree College, Doda, J&K, INDIA)
3. One day workshop on **"TECHNOLOGY INNOVATION FOR GROWTH OPPORTUNITIES IN KASHMIR"** in collaboration with GIAN CELL, University of Kashmir on 28th March, 2018 at GDC Bijbehara.
4. Two days National conference on **"CLIMATE CHANGE AND HUMAN HEALTH: ISSUES, CONCERNS AND OPPORTUNITIES"** in collaboration with Indian Council of Medical Research, New Delhi and SERB India on 8th-9th October, 2018 at GDC Bijbehara.
5. One Day workshop on **"The Science Quest"** on 03rd March, 2019 in the college auditorium.
6. As member Coordination Cell Higher Education Department J&K organized Three Days workshop on **"COUNSELLING PSYCHOLOGY: NEEDS AND OPPORTUNITIES"** vide Govt. Order No. HE/WS/2020/CP/01 Dated: 16/01/2020 from 29th January, 2020 to 31st January, 2020 at Govt. College for Women Parade, Jammu.
7. As member Coordination Cell Higher Education Department J&K organized Two Weeks Faculty Development Programme on **"INFORMATION COMMUNICATION TECHNOLOGY AND MODERN EDUCATION: THE WAY FORWARD (ICTME-2020)"** vide Govt. Order No. HE/WS/2020/02 Dated: 11/02/2020 from 02nd March, 2020 to 17th March, 2020 at SPMR College, Canal Road Jammu.
8. As member Coordination Cell Higher Education Department J&K organized One Week International e-Workshop on **"LANGUAGE TRANSLATION SKILLS"** in collaboration with National Translation Mission, Central Institute of Indian Languages, Mysuru, Govt. of India from 08th August, 2020 to 12th March, 2020.
9. As member Coordination Cell Higher Education Department J&K organized One Week National e-Workshop on **"LEVERAGING HIGHER EDUCATION FOR HARNESSING ENTREPRENEURSHIP, RESEARCH & INNOVATION (LEHERI-2020)"** in collaboration with Grassroots Innovation and Augmentation Network India (GIAN, India) from 07th September, 2020 to 12th September, 2020.
10. Three Days online workshop on **"BIODIVERSITY: STATUS AND FUTURE PROSPECTUS"** in collaboration with Department of Botany, Government Degree College Bijbehara from 21st to 23rd December, 2020.
11. Three days workshop on **"CELL CULTURE & MOLECULAR BIOLOGY: LABORATORY TRAINING & APPLICATIONS"** in collaboration with Eppendorf India from 15th of March to 17th of March, 2021

Published Work

20 Research Papers

7 Abstracts

Presented Work

6 Papers

A) PUBLISHED WORK

1. **S.M. Zuber**, A. Devi, S.A. Beigh, S.Y. Parray, G. Haroon, S. Ahmad and Winkle (2010): Assessment of abiotic status of Neeru Nallah, Doda, J&K. *Intl. J. Computational Intel. Research*, 6(2): 299-304.
2. G. Haroon, R.S. Khoiyangbam, S. Ahmad and **S.M. Zuber** (2010): Limnological assessment of Antiya Tal Jhansi to assess its water quality. *Intl. J. Lakes and Rivers*, 3(1): 79-85.
3. G. Haroon, R.S. Khoiyangbam, S. Ahmad and **S.M. Zuber** (2010): Trace metal levels in the muscle tissues of *Ctenopharyngodon idella* (Grass Carp) and *Ophiocephalus* (Snake Headed fish) of Antuya Tal of Jhansi City (U.P.). *Intl J. Appl. Env. Sci.*, 5(4): 505-512.
4. **S.M. Zuber**, Winkle and S. Rana (2010): Bacteriological studies of Lake Mansar to assess its coliform count. *J. Adv. Zool.*, 31 (1): 27-34.
5. **S.M. Zuber**, Winkle, S. Rana and H.C. Dutt (2010): Seasonal fluctuations in the cadmium content of a sub tropical lake: A case study of Lake Mansar. *J. Adv. Zool.*, 31 (2): 73-77.
6. **S.M. Zuber** and Sanjeev Rana (2010): Food security and sustainability in India. Proceedings of National Seminar on Food security and sustainability in India. Pp. 5-7.
7. S.A. Lone, F. Ansari, S.M. Lori * **S.M. Zuber** (2013): Physico-chemical characterization of lotic systems of Kashmir: A case study of river Jhelum. *Intl. J. Sci & Nat.*, 4(4): 570-582.
8. F.D. Khaleel, **S.M. Zuber**, B.K. Mehta, D. Mehta & S.R. Kolisetty (2014): Phytochemical study on the Benzene: Acetone extract of the leaves of *Artabotrys odoratissimus*. *African J. Pure & Appl. Chem.*, 8(2): 32-36.
9. S.Y. Parray, M.A. Najar, R. Akhter & **S.M. Zuber** (2014): Diversity and distribution of macrophytes in Chatlam wetland - A Fresh water wetland in Kashmir Himalayas. *Indian J. Plant Sci.*, 3(2): 58-62.
10. M. Ashfaq, S. Parveen & **S.M. Zuber** (2014): Evolution of cultural landscape along the Mughal road in Jammu and Kashmir - A Geographical Overview. *Intl. J. Res., Soc. Sci.*, 4(3): 564-577.
11. R. Akhter, R. Gupta & **S.M. Zuber** (2014): Effect of various doses of ovaprim on the reproductive behaviour of Rainbow trout *Salmo gairdneri gairdneri* inhabiting trout hatchery farm at Kokernag Anantnag, Kashmir. *Intl. J. Fish. And Aquacult. Sci.*, 4(1): 5-14.
12. R. Jan, R. Gupta, M.A. Najar & **S.M. Zuber** (2015): Abiotic status of river Jhelum with special reference to its ichthyofaunal diversity. *Res. J. Anim. Veter. & Fish. Sci.*, 3(8): 9-15.
13. **S. M. Zuber** (2015): Evaluation of permeability of Lake Mansar waters for irrigation purposes. *World J. Agri. Res.*, 3(3): 94-101.
14. B.A. Naikoo, R. Gupta & **S.M. Zuber** (2015): Diversity of fishes in relation to abiotic status of Vaishav stream Kulgam, Kashmir. *Intl. J. Sci. & Nat.*, 6(3): 501-505.
15. **S.M. Zuber** (2015): Economic growth and Higher education in India. *Intl. J. High. Edu. Res.*, 5(2): 73-97.
16. M.I. Thoker, R. Gupta, M.A. Najar & **S.M. Zuber** (2015): Macrozoobenthos community pattern and diversity in relation to water quality status of stream Rambiarra. *Intl. J. Fish. & Aquacult.*, 5(1): 91-100.
17. A.A. Wani, J. Malik & **S.M. Zuber** (2018): Determination of lethal toxicity of copper to *Clarius gariepinus*. *Intl. J. Adv. Res. Sci & Eng.*, 7(4): 1011 - 1018.
18. S.Y. Parray, **S.M. Zuber** & S. Siraj (2018): Impact of anthropogenic activity and land use pattern on the ecology of Chatlam wetland Kashmir Himalaya. *Intl. J. Adv. Res. Sci & Eng.*, 7(4): 811 - 820.

19. A.A. Wani, M. Sikdar & **S.M. Zuber (2018)**: Nephroprotective action of Taurine and Garlic extract against Copper Sulphate induced renal toxicity in *Clarias gariepinus*. *Intl J. Pharmacy & Biol. Sci.*, 8(1): 01-12.
20. M. Riyaz, S. Ignacimuthu & **S.M. Zuber (2020)**: Intense selective logging of *Populus deltoids* Bartr. amid novel Covid-19 and its subsequent edge effect and forest fragmentation: An alarming scenario in the plant ecology of Kashmir valley. *Intl. J. Curr. Res. Biosci. & Plant Biol.*, 7(6): 64-68.

B) PAPERS COMMUNICATED

1. Residual Sodium Carbonate as indicator of irrigational water quality - A case study of Lake Mansar.
2. Seasonal variation in the phosphate content of Lake Mansar.

CONTRIBUTION IN BOOKS

1. H. Kumar, I. Hamid, **S.M. Zuber** & Nighat Gani (2019): Attitude and behavior of higher secondary students towards environmental education. In: Environment and Society (Lone & Wani Eds.). Published by Book Bazooka, Kanpur India.
2. A.A. Dar, J. Manzoor, A. Gull, **S.M. Zuber** & K.A. Wani (2019): Changes in atmospheric parameters due to climate change in Gwalior India. In: Climate change and Environmental Dynamics: An Indian Perspective (Zuber & Wani Eds.). Published by Delton Publishing House (P) Ltd., Delhi.
3. K.A. Wani, **S.M. Zuber**, J.A. Malik & J.A. Wani (2020): Phytoremediation of Heavy metals using Salix (Willows). In Biotechnology and Bioremediation (Bhat *et al.* Eds.) Vol. 2. Published by Springer Nature Switzerland AG.
4. I.R. Tak & **S.M. Zuber** (2020): Phytoremediation and Phytotechnologies: An Overview. Chapter 1; In: *Bioremediation and Phytoremediation Technologies in Sustainable Soil Management: Fundamental Aspects and Contaminated Sites*. Malik, J. A.; Goyal, M. R.; Wani, K. A. (Eds.); CRC Press; Taylor and Francis Group, Boca Raton, Florida - USA; *Volume 1*; pages 1-23.

BOOKS PUBLISHED:

1. S. Suhail, **S.M. Zuber** & B. Sajad (2013): Islamic Economics. Research India Publications, New Delhi.
2. K.A. Wani & **S.M. Zuber** (2018): Environmental Module Course. Dilpreet Publishing House, New Delhi.
3. **S.M. Zuber** & K.A. Wani (2019): Climate Change and Environmental Dynamics: An Indian Perspective. Published by Delton Publishing House (P) Ltd., Delhi.
4. K.A. Wani, L. Ariana & **S.M. Zuber** (2019): Handbook of Research on Environmental and Human Health Impacts of Plastic Pollution. IGI Global, Hershey, USA.

AWARDS/PRIZES/HONOURS

1. Ist Prize for Best Oral Presentation of the Paper entitled, "**Assessment of anthropogenic influences on the species diversity of Lake Mansar, J&K**" in an International Seminar held at School of Environmental Studies, University of Delhi, organized by SSN College, Alipur-36 (India) in 4-6 March, 2005.
2. Certificate of Merit for Outstanding Oral Presentation of the Paper entitled, "**Evaluation of Lake Mansar Waters for Irrigation Purposes**" in a National Seminar held at KVA DAV College of Women, Karnal, Haryana organized by Ministry of Earth Sciences, Government of India & KVA DAV College for Women in 21-22 Nov., 2007.

Status with Journal Press

1. *Reviewer Academic Journals.*
2. *Associate Editor Lawrence Press*
3. *Editor Research India Publications.*
4. *Reviewer Current Environmental Engineering*

Membership of Professional Bodies, Societies etc

1. The Himalayan Ecological and Conservation Research Foundation, Jammu, J&K.
2. World Wide Fund, India.

3. All India Foundation for Peace and Disaster Management, JNU.
4. Institute For Reconciliation.
5. ESRO, Srinagar, Kashmir.
6. Central Inland Fisheries Society of India, Kolkatta.
7. Nature Conservators.

PRACTICAL KNOWLEDGE

- Spectrophotometry
- Flame Photometry
- Ion Analyser
- Water Analysis Kit
- pH Meter
- Soil Testing Kit
- Microphotography
- Economic Valuation Survey
- Econometric Analysis using SPSS, Minitab etc

(Dr. S.M. Zuber)