

CURRICULAR VITAE (Brief)



NAME : **DR. D. S. MALIK**
Father's Name : (Late) Shri H. S. Malik
Date of Birth : 25th February, 1962
Post : **Professor**
Department & Mailing Address : ZOOLOGY AND ENVIRONMENTAL SCIENCE
GURUKULA KANGRI DEEMED TO BE UNIVERSITY,
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ACADEMIC QUALIFICATION:

Post-graduation, M.Sc. ZOOLOGY Specialization in FISH & FISHERIES. Passed with First division from Meerut University, Meerut (U.P.)

PROFESSIONAL QUALIFICATION:

1. DOCTOR OF PHILOSOPHY (Ph. D.): Awarded in 1993, Department of Zoology, Institute of Advanced Studies, Meerut University, Meerut (U. P.)
2. RESEARCH FIELD: **AQUATIC BIODIVERSITY & CONSERVATION BIOLOGY**
3. RESEARCH TOPIC OF Ph.D.: Study of Golden and Himalayan Mahseer, **Tor-putitora** (Ham.) in relation to Ecology, Yield and Stock enhancement measures at Bhimtal (Kumaun Himalaya)

ACADEMIC OVERSEAS VISITS: Sultanate of Oman, Mauritius, Italy, Vatican City, Germany.

TEACHING EXPERIENCES: 25 years

Presently serving as **Professor** in the department of Zoology and Environmental Science, Gurukula Kangri University Haridwar since **27 July, 2012 to update.**

ADMINISTRATIVE EXPERIENCES: 15 years

Presently following administrative assignments as-

1. Dean, Academic Affairs of Gurukul Kangri deemed to be University, Haridwar since 14 July, 2018 to update.
2. Head, Deptt. of Zoology & Environmental Science, Gurukul Kangri Deemed to be University, Haridwar since 01 April, 2021 to update.
3. Dean, Green Audit Cell, Gurukul Kangri Deemed to be University, Haridwar since 01 April, 2021 to update.

AWARDS & FELLOWSHIPS:

1. UGC, DOD, ICAR and INDO-US Fellowship during Research periods.
2. Young Scientist Award 1998- Gold medal presented by ASEA.
3. Nature Conservators Environment – Gold medal (1998-99) presented by NATCON at H.P.K. University Palampur (H.P.) on June 8th 2000.
4. Fellow of Nature Conservators (India) (FNC).
5. Nature Conservators Impetus –Gold Medal (2003) presented by NATCON (INDIA) at J.N.V. University, Jodhpur (Rajasthan) on 2nd February 2004.
6. Fellow of ASEA, Rishikesh, (FASEA).
7. ASEA Fisheries Award, 2006.
8. Appreciation Award, 2011 in Toxicology.
9. Fellow award of Foundation of Natural Science and Culture, Haridwar.
10. Academic Excellence Award ,2016 presented by Aqua foundation at Delhi on 24 November,2016.
11. Recognition Award, 2018 in Environmental Toxicology.
12. Nominated as subject expert member in Ganga Protection Committee, District Haridwar by Ministry of water resources, river development and Ganga rejuvenation in 2018 under Namami Gange Programme.
13. District coordinator IIRS-EduSat Programme (Deptt. of Indian Space research organization), Dehradun since 2010 to update.

Research experiences: 28 years

Research Publications: 176 no. see Google citation index

RESEARCH PROJECTS:

1. **Impact of habitat degradation on aquatic biodiversity of river Ganga** – Financed by UGC, New Delhi (2000-2002).
2. **Population dynamics of Himalayan mahseer (*Tor putitora*) in Yamuna river at Uttarakhand.**(SF-36-308/2008)–Financed by UGC ,New Delhi (2009-2012).
3. **Population dynamics and habitat ecology of fish species (*Barilius benedelisis* and *B.vagra*) in Yamuna river and its tributaries at Uttarakhand.**(SF-56-508/2013)– Financed by UGC ,New Delhi (2014-2016).
4. **Study of ecology and biodiversity of upper Ganga basin** under NMSHE, DST (Govt.of India) with collaboration of NIH, Roorkee. Total sanction grant, Rs.54.59 Lakh (Aug, 2016-21).

Research guidance to Ph.D. students:

S. No.	Names	Ph.D. thesis titles	Year of Awarded
1.	Kamal Singh Negi	Impact of barrage on the biology of mahseer in river Ganga at Rishikesh.	2003
2.	Muneesh Bhanot	Effect of distillery effluents on the aquatic ecology of river Song in Doon Valley (Shivalik Himalaya).	2005
3.	N.N. Pandey	Integrated Azolla-Pig-Fish farming with special reference to pond productivity and fish production	2005
4.	V.K. Singh	Studies on distribution of heavy metals in Gomti River and development of low-cost adsorbents for their removal	2007
5.	Amrita Malik	Studies on trace organics and major ion chemistry of Gomti River.	2007
6.	Pawan Kumar Bharti	Effect of textile industrial effluents on groundwater and soil quality of Panipat region (Haryana).	2008
7.	Shivji Singh	Efficiency of vermicompost and earthworm meal on growth performance in fingerlings of <i>Labeo rohita</i> and <i>Cyprinus carpio</i> .	2008
8.	Rashmi Yadav	Environmental fate and phytoremediation aspects of toxic metals in Lake Nainital.	2009
9.	Praveen Chauhan	Study on pollution status and its impact on water quality of river Ganga at Garhmukteshwar, District Ghaziabad (U.P.).	2010
10	Pawan Kumar	Impact of industrial effluents on ground water and soil quality in and around Gajraula industrial area (U.P.).	2011
11	Surendra Ram Chanyal	Population dynamics of Himalayan Mahseer (<i>Tor species</i>) and its conservation measures in Ganga river (Garhwal Himalaya).	2012
12.	Pooja Tomar	Accumulation of heavy metals in water, sediment and biotic community of river Kali at Muzaffarnagar (U.P.)	2012
13.	Preetika Shukla	Studies on adsorption kinetics of defloridation using low-cost adsorbent.	2011
14.	Umesh Bharti	Hydrobiology of Sahastradhara stream at Dehradun (Uttarakhand).	2012
15.	Swati Nagar	Studies on enhanced ultra violet radiation on ecosystem productivity in Asan barrage at Dehradun (Uttarakhand).	2015
16.	Nidhi Joshi	A study on ecological dynamics of Asan wetland.	2015
17.	Shikha Panwar	Impact assessment of changes in land use pattern and climatic variations on productivity of Bhimtal lake (Kumaun Himalaya).	2017
18.	Pradip Kumar Maurya	Bio-accumulation of xenobiotics and their cumulative effects on hematology of fresh water fishes in Kali River of western U.P.	2017
19.	Anuj Kumar Yadav	Removal of heavy metals from textile industrial effluents by low-cost absorbents.	2018
20.	Divya Tyagi	Ecological dynamics of Ram-Ganga reservoir at Kalagarh (Uttarakhand) in relation to socio-economic development of its catchment basin.	2019
21.	Dinesh Kumar	Assessment of heavy metal pollution in river Ganga using metallothionein gene expression in catfish, <i>Rita-rita</i> .	2020

22.	Amit Kumar Sharma	Population dynamics of Himalayan Mahseer and <i>Schizothorax</i> fish species in Bhagirathi River basin (Garhwal Himalaya) Uttarakhand.	2020
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Registered Ph.D. students:

S. No.	Names	Ph.D. titles	Year of Registration
1.	Garima Tomar	Study on aquatic ecology and biodiversity of Alaknanda river (Garhwal region).	2017
2.	Prachi Rathi	Studies on solar ultra violet radiation on ecosystem productivity in Tehri reservoir at Garhwal region (Uttarakhand).	2018
3.	Arvind Kumar Sharma	Habitat Ecological Modelling of Himalayan Mahseer (Tor Species) In Upper Ganga Basin.	2020
4.	Ruchika Chauhan	Macrobenthic Diversity of Asan Wetland in Relation to its Habitat Ecology.	2020
5.	Mohit Kumar	Hydro- Geochemical Study of Groundwater of Camerata District in Chhattisgarh.	2020
6.	Vishesh Kumar	Population Dynamics of Schizothorax Fish Species in Heval River (Tributary of Ganga River) Of Gharwal Region (Uttarakhand).	2020

BOOKS AND RESEARCH REPORT / PROCEEDING PUBLISHED:

1. As a Co-editor - **Environmental Issues and Managements** published by Natcon Publication, No. 6 Muzaffar nagar, ISBN – 900467 –4-8
2. As a Co-editor – **Sustainable Development and Conservation of Cold-Water Fish Genetic Resources** published by Natcon Publication –7, ISBN – 81-900467-5-6
3. As an Executive Editor – **J. Aquacult** published by Nature conservators (India) Muzaffar nagar (U.P.) biannually since 2000 to update.
4. Co-editor – **Protected Habitats and Biodiversity** published by Natcon Publication. ISBN NO.81-900467-6-4.
5. Co-editor – **Fish Diversity in Protected Habitats** Published by Natcon Publication. ISBN NO.81-900467-6-4.
6. As Author – **Biology of Lower Non-chordata** Published by Department of Distance Education, Gurukula Kangri University, Hardwar.
7. As editor - **Medicinal Plants: Conservation, Cultivation and Utilization**, Daya Publishing House, New Delhi, 2006.
8. As editor – **Aushdhiya Paadap: Sanrakshana, Samvardhana evam Upyogita**, Daya Publishing House, New Delhi, 2006.
9. As author-**Mahseer fish: Bionomics and Population Barrage Impact on fish biology**, published by Daya Publishing House, New Delhi, 2007 (ISBN 81-7035-368-8).
10. As a co-editor –**Aquatic Biodiversity: Management and Conservation**, Nature Conservators (India) Muzaffar Nagar, pp: 249, (2006).
11. As co-author-**Integrated Fish Farming**, Daya Publishing House Delhi (Dr. Nityanand Pandey and **Dr. D. S. Malik**). (2008)

12. As co-author-**Multifacial Application of Drug Plants**, Daya Publishing House Delhi-2008 (Prof. D.R. Khanna, Prof. A.K. Chpora, Prof. G. Prasad, **Dr. D.S. Malik, Dr. R. Bhutiani**).
13. As co-author-**Phytochemicals: A Therapeutant for Critical Disease Management**, (Prof. D.R.Khanna, Prof. A.K. Chpora, Prof. G. Prasad, **Dr. D. S. Malik, Dr. R. Bhutiani**) (2008).
14. As Co-author-**Textile Pollution (2010)** published by Daya Publishing House Delhi. (**Dr. D.S. Malik** and Dr. P.K. Bharti)
15. As co-editor-**Water pollution and management** (2011), published by Biotech Publisher, New Delhi. (**Dr. D.S. Malik, Dr. Sunil Kumar and Umesh Bharti**).

RADIO BROADCASTING:

1. Radio talk on “**Vermiculture and its applications in agriculture**” by All India Radio Najibabad, Govt. of India, broadcasted on 11.12.2004 under Krishi Farm Programme.
2. Radio talk on “**Vermicast as fertilizer for organic farming**” by All India Radio Najibabad, Govt. of India, broadcasted on 06.09.2010 under Krishi Farm Programme.

LIFE MEMBERSHIP OF ACADEMIC BODIES:

1. Society of Nature Conservators (NATCON), India, Muzaffarnagar (U.P.).
2. Indian Academy of Himalayan Environmental Science, Hardwar (Uttaranchal).
3. ASEA (Action for Sustainable Efficacious, Development and Awareness), Rishikesh, (Uttaranchal).
4. International Society of Applied Biology, Lucknow (U.P.)
5. Society of Himalayan action research and development (SHARAD),Pauri-Garhwal, Uttarakhand.
6. Applied Natural Science Foundation, Haridwar (U.K.)
7. Foundation of Natural Science and Culture, Hardwar (U.K.).

Conference/Symposium / workshop organized: 10 no.

Conference/Symposium attended: 30 (National), 15 (International)