

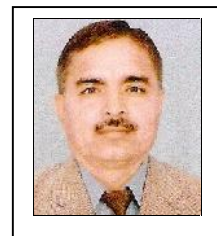
**CURRICULUM VITAE
OF
PROF. (DR.) D.S. MALIK**

Department of Zoology and Environmental Science

Gurukula Kangri University

Hardwar-249404 (Uttarakhand)

CURRICULAR VITAE



NAME : **DR. DAVENDRA SINGH MALIK**
Father's Name : (Late) Shri H. S. Malik
Date of Birth : 25 February, 1962
Post : **Professor**
Department : ZOOLOGY AND ENVIRONMENTAL SCIENCE
Mailing Address : GURUKULA KANGRI UNIVERSITY,
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Gurukula Kangri University, Hardwar (U.K.)
Religion : HINDU (Vedic)
Language : Hindi & English.

ACADEMIC QUALIFICATION:

Graduation and Post-graduation passed with First division from Meerut University, Meerut (U.P.) including FIFTH POSITION in M. Sc. ZOOLOGY, Specialization in FISH & FISHERIES.

GATE EXAMINATION: REG.NO.XX-23783 GATE 1988 scores report 93.56 (eighty three point five six) percentile score.

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-punitora** (Ham.) in relation to Ecology, Yield and Stock enhancement measures at Bhimtal (Kumaun Himalaya)

4.NAME OF Ph.D. SUPERVISORS: **Dr. K. L. Sehgal**, (D.Sc.)
Director, N.R. C. Cold Water Fisheries, (I.C.A.R.)
Bhimtal, District Nainital (U.K.)

Prof. (Dr.) S. V. S. Rana,
Department of Zoology,
Institute of Advanced Studies,
Meerut University, Meerut (U.P.)

RESEARCH EXPERIENCES:

1. Served in Pollution Relevant Research Laboratory, D. A. V. (P. G.) College Muzaffarnagar (U.P.) from July 1984-1986 in the project entitled “**Riverine pollution by industrial toxicants with special references to local fish fauna**”
2. Served in **High Technology Aquaculture Programme of Department of Ocean Development (DOD)** in National Research Centre on Cold Water Fisheries (ICAR) Haldwani, Nainital (U.P.) on Project entitled “**Intensive raising of stocking material of golden Mahseer, *Tor putitora***” from July – 1990 to March 1991.
3. Served in ICAR Adhoc scheme entitled “**Estimation of nutritional requirement of *Tor putitora* at Bhimtal**” from March 1991 to March 1993 in National Research Centre on Cold Water Fisheries (ICAR) Haldwani, Nainital (U.P.)
4. Served in **ILTE World Bank Project – Kurar** at Indian Veterinary Research Institute (IVRI) Izatanagar, Bareilly (U.P.) on Project “**Integrated livestock technology and extension system rural development**” from 1993 to March 1996.
5. Presently, the research works are carried out in the field of “**Aquatic biodiversity, Resource conservation and management**” since **Oct. 1996 to up date**

TEACHING EXPERIENCES:

1. Served K.L.D.A.V. Degree College, Roorkee (Meerut University, Meerut) from October 1989 to May 1990 as **Lecturer** (Adhoc).
2. Served as **Lecturer** in department of Zoology and Environmental Science Gurukula Kangri University Hardwar (U.P.) since October 1996 to 27th July 2001.
3. Served as **Senior Lecturer** in the department of Zoology and Environmental Science Gurukula Kangri University Hardwar since 28th July 2001 to 26th July, 2006.
4. Served as **Reader** in the department of Zoology and Environmental Science Gurukula Kangri University Hardwar since 27 July 2006 to 26th July, 2009.
5. Served as **Associate Professor** in the department of Zoology and Environmental Science, Gurukula Kangri University Hardwar since 27 July, 2009 to 26th July, 2012.
6. Serving as **Professor** in the department of Zoology and Environmental Science, Gurukula Kangri University Hardwar since **27 July, 2012 to update.**

AWARDS & FELLOWSHIP:

1. **UGC, DOD, ICAR and INDO-US** Fellowship during Research period.
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**

ACADEMIC OVERSEAS VISITS: Sultanate of Oman, Mauritius.

RESEARCH GUIDANCES:

I- Ph. D. Guidance:

1. **Kamal Singh Negi (Awarded in 2003)** Impact of barrage on the biology of mahseer in river Ganga at Rishikesh.
2. **Muneesh Bhanot (Awarded in 2005)** Effect of distillery effluents on the aquatic ecology of river Song in Doon Valley (Shivalik Himalaya).
3. **N.N. Pandey (Awarded in 2005)** Integrated Azolla-Pig-Fish farming with special reference to pond productivity and fish production.
4. **V.K. Singh (Awarded in 2007)** Studies on distribution of heavy metals in Gomti River and development of low cost adsorbents for their removal.
5. **Amrita Malik (Awarded in 2007)** Studies on trace organics and major ion chemistry of Gomti River.
6. **Pawan Kumar Bharti (Awarded in 2008)** Effect of textile industrial effluents on groundwater and soil quality of Panipat region (Haryana).
7. **Shivji Singh (Awarded in 2008)** Efficacy of vermicompost and earthworm meal on growth performance in fingerlings of *Labeo rohita* and *Cyprinus carpio*.
8. **Rashmi Yadav (Awarded in 2009)** Environmental fate and phytoremediation aspects of toxic metals in Lake Nainital.

9. **Praveen Chauhan (Awarded in 2010)** Study on pollution status and its impact on water quality of river Ganga at Garhmukteshwar, District Ghaziabad (U.P.).
10. **Pawan Kumar (Awarded in 2011)** Impact of industrial effluents on ground water and soil quality in and around Gajraula industrial area (U.P.).
11. **Surendra Ram Chanyal (Awarded in 2012)** Population dynamics of Himalayan Mahseer (*Tor species*) and its conservation measures in Ganga river (Garhwal Himalaya).
12. **Pooja Tomar (Awarded in 2012)** Accumulation of heavy metals in water, sediment and biotic community of river Kali at Muzaffar nagar (U.P.)
13. **Preetika Shukla (Awarded in 2011)** Studies on adsorption kinetics of defloridation using low cost adsorbent.
14. **Umesh Bharti (Awarded in 2012)** Hydrobiology of Sahastradhara stream at Dehradun (Uttarakhand).
15. **Swati Nagar (Submitted in 2014)** Studies on enhanced ultra violet radiation on ecosystem productivity in Asan barrage at Dehradun (Uttarakhand).
16. **Nidhi Joshi (Registered in 2012)** A study on Ecological dynamics of Asan wetland.
17. **Shikha Panwar (Registered in 2013)** Impact assessment of changes in land use pattern and climatic variations on productivity of Bhimtal lake (Kumaun Himalaya).
18. **Pradip Kumar Maurya (Registered in 2013)** Bio-accumulation of xenobiotics and their cumulative effects on haematology of fresh water fishes in Kali river of western U.P.
19. **Anuj Kumar Yadav (Registered in 2013)** Removal of heavy metals from textile industrial effluents by low cost absorbents.
20. **Rajvir Singh (Registered in 2014)** Impact of land use change on surface temperature in Haridwar using Geo-spatial approach.

II – Supervised M. Sc. Dissertations:

1. Vivek Saxena (1999). Impact of barrage and dams on the aquatic ecology of river Ganga in Rishkesh- Hardwar region.
2. Kamal Kant (2000). The recycling of organic wastes through integrated fish aquaculture.
3. Sushil Kumar (2000). Biomonitoring of sewage water of treatment plant at Jagjeetpur, Hardwar.

4. Ashish Agarwal (2001). Monitoring of ambient air quality in residential and industrial parts of Delhi city.
5. Pankaj Sapra (2001). Monitoring of ambient air quality in Delhi City.
6. Sandeep (2001). A preliminary study on population status of wild animal diversity and interaction of van Gujjars in Rajaji National Park.
7. Pankaj Dudeja (2002). Study of watershed problems, utilization and irrigation system in rural area of Doon valley.
8. Amit Kumar (2002). Study of efficiency of effluent treatment plant (ETP) in relation to water quality index at Ghaziabad.
9. Faisal Abbas (2003). Sewage water treatment through water Hyacinth (*Eichhornia crassipes*).
10. Vipin Kumar (2003). The effect of soda loss on Chemical Oxygen demand and conductivity in the effluent of Star paper mills Ltd. Saharanpur (U.P.).
11. Pawan Kumar Bharti (2004). Study of Planktonic population of Sahastradhara stream at Dehradun (Uttaranchal).
12. Kehar Singh (2004). Limnological studies of Sahastradhara stream at Dehradun (Uttaranchal).
13. Vivek Kumar Dwivedi (2005). Assessment of Environmental awareness among the undergraduate students: A case study from Garhwal region of Uttaraanchal.
14. Anil Kumar (2005). Analysis of rock and soil samples from Kaliasaur Garhwal Himalaya, Uttaraanchal.
15. Sumit Grover (2006). A preliminary study of pollutional aspects of textile industries at Panipat (Haryana).
16. Pankaj Saini (2006). A study to assess the impact of urbanization on environment of Roorkee town, Hardwar (UA).
17. Vinamra Kumar Dwivedi (2006). Studies on toxic and genotoxic effect of Mahua (*Bassia latifolia*) oil cake on fresh water fish *Channa punctatus* (Bloch).
18. Pawan Kumar (2007). Preliminary study on physico-chemical characteristics of industrial waste water in SIDCUL industrial area at Haridwar.
19. Vinay Kumar Rawal (2007). Physico-chemical analysis of effluent in effluent treatment plant (ETP) of Johnson & Johnson Ltd., Baddi (H.P.).
20. Umesh Bharti (2008). The biomethanation and physico-chemical characteristics of treated waste waters of sewage treatment plant at Jagjeetpur, Kankhal, Hardwar.

21. Amit Chauhan (2008). Recycling of organic waste of canteen and garden of Asian paints through vermicomposting.
22. Ravi Kumar (2009). Characterization of five bacterial strain isolated from HCH (Hexachlorocyclohexane) contaminated dump site and agricultural fields by using polyphasic approach.
23. Shobit Kumar (2010). A study on waste water treatment process at Pilkhani distillery, Shaharanpur (U.P.)
24. Mohit Tyagi (2011) Physico-chemical parameters of Sewage samples at Dr. Sen Nursing sewage samples New Delhi.
25. Yogesh Kumar (2011) A preliminary study on water treatment process and waste water analysis of pharmaceutical industry.
26. Hemraj Singh (2012) A study of anaerobic and aerobic treatment of distillery effluent at India Glycols Ltd. Kashipur (Uttarakhand).
27. Gajendra Singh (2013) The study of Physico-chemical characteristics of Malini river in Najibabad (Uttar Pradesh).
28. Rohit Kumar (2013) Assessment of physico-chemical parameters of agriculture soil of Gurukul Kangri Vishwavidalaya farm, Haridwar Uttarakhand, India.
29. Vipul Kumar (2014) Assessment of water footprint in selected area of Haridwar (Uttarakhand).

SPECIAL RESEARCH ORIENTED TRAINING PROGRAMME:

1. Xth National Workshop on **“Techniques of Electron Microscopy for Biological Specimens”** organized by Regional Sophisticated Instrumentation Centre, Punjab University Chandigarh (U.T.) from May 12 to 23, 1998.
2. Participated in training course on **“Collection, Preservation and Identification techniques of Zoological specimens”** organized by Zoological survey of India, Ministry of Environment & Forests, Govt. of India, Dehradun during Feb. 21 to 23, 2001.
3. Participated in training NNRMS course **“Remote Sensing and GIS applications in Forestry and Ecology”** conducted by Indian Institute of Remote sensing (NRSA), Department of Space, Govt. of India, Dehradun from 4th June to 27th July, 2001.
4. Research oriented project entitled **“ Forest cover type mapping using digital image processing (DIP) through remote sensing in “Lachhiwala” forest range, Dehradun**

Forest Division (Uttaranchal)” completed under the supervision of **Dr. I.J. Singh**, Scientist F, IIRS, Dehradun.

5. Participated in the ICAR winter school on “**Remote Sensing and GIS applications in Fisheries Research and Management**” conducted by Central Institute of Fisheries Education (ICAR), Mumbai, from 5-25, January 2005.
6. Participated in the workshop on “**Molecular and Applied microbiology**” organized by Deptt. of Botany & Microbiology, Gurukul Kangri University, Hardwar from 10th-19th Feb., 2008.

REFRESHER COURSES /ORIENTATION COURSE:

1. Attended **Refresher Course** on “**Environmental Microbiology and Biotechnology**” organized by School of Environmental Biology, A.P.S. University, Rewa (M.P.) from Dec. 03 to 23, 1998 (21 Days).
2. Attended **Orientation Programme** organized by ASC, Himachal Pradesh University, Shimla (H.P.) dated Sept. 04 to 30, 2000 (27 Days).
3. Attended **Refresher Course in Environmental Sciences (U.G.C. sponsored)** and secured “**A Grade**” organized by Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Hardwar dated November 15th to December 5th, 2003.
4. Attended **Refresher course in Environmental studies (U.G.C. sponsored)** and secured “**A Grade**” organized by Academic Staff College, Jamia Millia Islamia, New Delhi on dated 19th September to 08th October 2005.

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.).

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)

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).

EXTERNAL EXAMINERSHIP:

1. External examiner of Theory & Practical in B.Sc. and M. Sc. classes of different Universities.
2. External examiner of M.Phil.& Ph.D. thesis evaluations and viva voice of different universities.

OTHER ASSIGNMENT & ADMINISTRATIVE ACTIVITIES:

1. Team Manager of Athletic team of GKV, Hardwar during All India University Athletic meets from 28th Dec. 1999 to 2nd Jan. 2000 at LNIPE Gwalior (M.P.).
2. Member of Research Development Committee (RDC) and Board of Studies (BOS), Department of Zoology and Environmental Science, G.K.V. Hardwar.
3. Hostel warden of Vigyan Hostel, G.K.V. Hardwar from 23rd August, 2007 to 23rd August, 2010.
4. Event co-ordinator in 1st state science & technology youth festival -2008 on theme **“Conservation of Mountain ecosystem under planet earth programme”** on dated 28th Feb.-2nd March 2008 organized by Uttarakhand state council for science & technology (UCOST) Dehradun.
5. Member of Proctorial board of G.K.V. Hardwar.
6. Member of Board of studies, Deptt. of Zoology and Environmental Sciences, G.K.V. Hardwar.
7. Dupty Dean , Student Welfare, G.K.V. Haridwar since 14th August,2014 to update.

SEMINAR /CONFERENCES ORGANISED:

1. As an Organizing Secretary organized a national seminar entitled “**Present Eco-status of Ganga water at Hardwar**” dated 12th March 1999 at G.K.V. Hardwar and **Poster Presentation Contest** also held.
2. As an Organizing Secretary organized a national seminar on “**Biosphere Reserve, National parks & sanctuaries (Protected Habitats) in present context**” during 25 – 26th May 2002 at G.K.V. Hardwar.
3. As an Organizing Secretary organized a national seminar on “**Medicinal plants: conservation, cultivation and utilization**” during 09-11th March 2006 at G.K.V. Hardwar.
4. As an Organizing Secretary organized a national seminar on “**Medicinal plants: conservation, cultivation and utilization II**” during 09-11th March 2007 at G.K.V. Hardwar.
5. As an Organizing Secretary organized a workshop on “**Solid waste management**” dated 10th April 2007 at G.K.V. Hardwar.
6. As Convenor organized National workshop on “**Techniques in water and waste water treatment**” during 25th -26th March 2008 at G.K.V. Hardwar.
7. As Co-convenor organized an International Conference World Congress for Man and Nature “**Global Climate Change & Biodiversity Conservation**” 11th to 13 November, 2011 at G.K.V. Haridwar (U.K.).

RADIO BROADCASTING:

1. Radio talk on “**Vermiculture and its applications in Agricultures**” 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.

PUBLICATIONS- RESEACH PAPERS/REVIEWS/BOOK CHAPTERS:

Research papers in Journal- 68 No.

Research papers in proceeding- 18 No.

Research articles in Books- 25 No.

ATTENDED CONFERENCES/ SEMINAR/SYMPOSIUM/WORKSHOP:

International conferences- 13

National conferences-41