

DR. M. RAMACHANDRA MOHAN

M.Sc · Ph.D · FSESc · FABP — Global Environmental Governance Expert | Distinguished Scientist | Academic Administrator

G.P. Chatterjee Memorial Awardee 2017 (DST, Govt. of India) | IUCN Commissioner — 5 Commissions | Born: 21 May 1960

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41
YEARS, ADMIN. &
ACADEMIC

1,335+
BOARDS, INDIA &
ABROAD

126
COUNTRIES,
RESEARCH REACH

Top 10%
OF 17M
RESEARCHGATE
MEMBERS

Rs 2,18,200
RETIRED BASIC PAY

Distinguished academician and scientist with 38 years at Bangalore University (30 years of service, 22.9 as Professor), and extensive expertise in Global Environmental Governance, biodiversity conservation and aquatic toxicology. Member of the IUCN since 2013 holding roles across 5 commissions. Proven record in institutional building, curriculum development and national-level policy advisory to 14 Central Government ministries. Architect of a 40-year biodiversity-conservation model farm now replicated across multiple villages.

ACTIVE POSITIONS

Position / Organisation	Details
Visiting Professor, University of Science & Technology Meghalaya	31 May 2023 onwards
CCSEA — Ministry of Fisheries, Animal Husbandry & Dairying, GoI	Nominee, Animal Husbandry and Dairying. Supervision of Biomedical Research experiments on animals, Govt. of India
IUCN, Gland, Switzerland	International Union for Conservation of Nature — Commission Member, World Commission for Environmental Law
IPBES Stakeholder, Bonn, Germany	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (UN) — Global State of Biodiversity

PAST POSITIONS

Role	Details
CCSEA Member (Statutory Body), Min. of Fisheries, Animal Husbandry & Dairying	June 2018 - September 2021 Supervision of Biomedical Research experiments on animals
Senior Dean (Pro V-C)	June 2020 - 30 November 2020
Dean - Faculty of Science (including Medicine)	1 December 2018 - 30 November 2020 (2 Years)
Dean - Faculty of Engineering (i/c)	6 December 2018 - 11 November 2019 (1 Year)
Professor, Dept. of Zoology, Bangalore University	14 August 2000 - 31 May 2023 (22.9 Years)
Reader, Dept. of Zoology, Bangalore University	13 August 1992 - 12 August 2000 (8 Years)

Role	Details
Guest Lecturer, Dept. of Zoology, Bangalore University	25 November 1991 - 12 August 1992 (0.9 Years)
Chairman - Dept. of Zoology & Applied Genetics, Bangalore University	2009-2011 & 2014-2016
Deputy Director of Students Welfare, Bangalore University	27 April 1994 - 22 May 1998 (4 Years)
Warden - University PG Hostel No. 2	1993-1994 (1 Year)
UGC Research Fellowship - SRF, Dept. of Zoology, Bangalore University	8 September 1988 - 7 September 1991 (3 Years)
UGC Research Fellowship - JRF, Dept. of Zoology, Bangalore University	8 September 1986 - 7 September 1988 (2.9 Years)

PAST MEMBERSHIPS

Body	Details
Syndicate Member	2018-2020, Bangalore University
Academic Council	4 Years, Bangalore University
Academic Senate	3 Years, Apex Professional University, Arunachal Pradesh
Finance Committee (FC)	7 March 2020 - 30 November 2020, Bangalore University
Central Purchase Committee (CPC)	18 July 2019 - 31 November 2020, Bangalore University
Statutory Committee	28 May 2019 - 31 May 2022, Bangalore University
Equivalence Committee	2016-2020 (4 Years), Higher Education Council, Karnataka Govt.

EDUCATION & QUALIFICATIONS

Qualification	Details
D.Sc. (Honoris Causa)	Doctor of Science (Honoris Causa), 2019 - International Agency for Standards and Ratings
Ph.D. (1991-1995)	Zoology - Fish Toxicology and Endocrinology, Bangalore University, India
M.Sc. (1984-1986)	Zoology - Reproductive Physiology, Bangalore University, India
B.Sc. (1981-1984)	Zoology (Major), Chemistry & Botany (Ancillaries), University of Madras
NCC 'B' Certification (1983-84)	National Cadet Corps - Annual Training Camp: 20-31 Jan 1984

QUALIFYING COURSES & TRAININGS

Date	Course / Training
11-15 May 1999	UNEP-ILEC Fellowship, Cesky Budejovice, Czech Republic
17-18 Nov 2001	Post-Doctoral Training, ILEC / UNEP, Japan
7 Dec 2017	CCSEA Nominee Examination
2-3 Nov 2014	NAAC Training Examination

1. NATIONAL DEVELOPMENT - EXPERT SERVICE TO GOVERNMENT OF INDIA

Expert to 14 Central Ministries, Government of India

Defence, Ministry of Environment Forest & Climate Change (MoEF&CC), Agriculture, Forest Survey of India, Shipping, Textiles & Handicrafts, Health & Family Welfare, Broadcasting (All India Radio), Fisheries, Archaeological Survey of India, Anthropological Survey of India, Human Resource Development, Fisheries Animal Husbandry and Dairying, Science and Technology, Union Public Service Commission (UPSC), Staff Selection Commission (SSC).

- ▶ Keynote Speaker for 25 various national and international events
- ▶ President, Indian Society for Comparative Physiology (ISCAP)
- ▶ Evaluator of Research Projects - UGC (University Grants Commission), ICAR and CCSEA, Govt. of India
- ▶ NAAC Assessor, National Assessment and Accreditation Council
- ▶ Member, CCSEA (Committee for Control and Supervision of Experiments on Animals), regulating biomedical research on animals across 1,600 establishments nationally - June 2018 to Sep 2021, under Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying
 - Framed guidelines for Fish/Zebrafish use in research
 - Member, Selection of Nominees
 - Contributed to Standard Protocols for Animal Experimentation in countries other than India

2. INTERNATIONAL DEVELOPMENT - GLOBAL ENVIRONMENTAL GOVERNANCE

IUCN Commission Member (International Union for Conservation of Nature)

Resolutions and Recommendations on important conservation issues adopted by this unique global environmental parliament of governments and NGOs.

- ▶ World Commission for Environmental Law (WCEL) - 2017-2025
- ▶ Species Survival Commission (SSC) - 2013-2025
- ▶ World Commission on Protected Areas (WCPA) - 2017-2025
- ▶ Commission on Environmental, Economic and Social Policy (CEESP) - since 2013
- ▶ Commission on Ecosystem Management (CEM) - 2017-2025
- ▶ Commission on Education and Communication (CEC) - 2017-2025

Other International Roles

- ▶ IPBES - The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services - since 2017
- ▶ Member, Global Initiative on Food Loss and Waste Reduction (SAVE FOOD), FAO
- ▶ Expert Member, Food Security Information Network (FSIN) - since 2017
- ▶ Member, Agriculture-Nutrition Community of Practice, World Health Organization (WHO)
- ▶ Member, Knowledge Gateway, United Nations System Standing Committee on Nutrition (UNSCN) - since 2017
- ▶ Editorial Member, 35 International Journals

3. KARNATAKA STATE SERVICE

- ▶ Chairman, Curriculum Preparation Committee for Postgraduate & Undergraduate Programmes in Zoology and Genetics across all Karnataka State Universities and Colleges - Dept. of Higher Education, Karnataka State Higher Education Council, National Education Policy (NEP) 2020, for the year 2021-2022
- ▶ KPSC Expert - Selections of Scientific Officer, Examiner, Group A Officers; Selection of Lecturer in Biology, Morarji Desai Memorial Schools, Karnataka State
- ▶ Govt. of Karnataka - People's Biodiversity Registry Programme, Karnataka Biodiversity Board, Forest, Ecology and Environment Dept.
- ▶ Bangalore Development Authority, Bangalore - Lake Rejuvenation Programme coordination of Bangalore Lakes, 2010
- ▶ Member, three-member Syllabus Committee for selection to post of Assistant Conservator of Forest, Forest Department, Government of Karnataka - 2006

- ▶ Karnataka State Women's Commission - integration related to water management
- ▶ Expert, Scientist-Student Interaction Programme, College of Engineering

4. BANGALORE UNIVERSITY - 40 YEARS OF ACADEMIC & ADMINISTRATIVE SERVICE

Academic Service

Dean, Faculty of Science, Medicine and Faculty of Engineering (2 Years); Professor (22 Years); Reader (8 Years); Guest Lecturer (1 Year); Deputy Director, Student Welfare (4 Years); Warden (1 Year).

- ▶ Chairman, Board of Studies (BOS) for PG & UG courses - Zoology, Forensic Science, Criminology, Solid Waste Management
- ▶ Introduced the Choice Based Credit System (CBCS) Scheme for PG & UG courses as Chairman, BOS - 2014
- ▶ Created the Zoology Centenary Year Postal Cover & Logo to commemorate the Centenary Year of Zoology, as Centenary Year Chairman

Administrative Service

- ▶ Syndicate Member - 1.5 years
- ▶ Academic Council Member - 6 years
- ▶ Academic Senate Member - 3 years
- ▶ Library Committee member
- ▶ Central Purchase Committee member
- ▶ Finance Committee member - 2 years
- ▶ Chairman, Dept. of Zoology & Applied Genetics - 4 years

Editorial & Peer Review

- ▶ Member, Editorial Board for 60 National and International Journals
- ▶ Peer Reviewer for 150 papers across 70 International Journals - scholarship recognised by the international scientific community

5. GLOBAL RESEARCH IMPACT & WORLD NETWORK

Research Reach - 116 of 174 Countries, All 7 Continents

Continent	Countries	Continent	Countries
Asia	30	North America	7
Europe	38	South America	7
Africa	20	Australia	2

Influence - ResearchGate Metrics

- ▶ Research followed by 1,820 peer scientists
- ▶ Findings read by 1,68,273 researchers from 1,037 universities across 126 countries
- ▶ Achieved a ResearchGate Score exceeding 90% of members - surpassing 15.18 million of the platform's 17 million members - since 28 November 2013

6. FLAGSHIP RESEARCH INVESTIGATION - BIODIVERSITY CONSERVATION MODEL FARM

Dr. Mohan created a biodiversity conservation model farm, developing the land despite constraints of resources and capacities, over a span of 40 years.

- ▶ Plantation of Teak, Mango, Sapota, Coconut, Tamarind and numerous indigenous medicinal plants, food crops and vegetables
- ▶ Culture of indigenous cow, sheep, chicken and dog breeds

- ▶ Compost further processed via vermicomposting, applied to agricultural and horticultural crops
- ▶ Apiary development, adopting pollination methods alongside organic pesticides and fertilisers
- ▶ Practices made farming eco-friendly, healthier, higher-yielding and less wasteful - reducing ambient temperature by 4-5 degrees C and attracting many new species of animals and birds to a pesticide-free environment
- ▶ Model adopted by many farmers and spread to villages around the farm, generating 3-4 folds higher income and attracting urban-migrated youth back to villages for better livelihoods
- ▶ Sustainable-development impact spans food security, water management, reduction of malnutrition and poverty, prevention of habitat loss, and adoption of indigenous practices - balancing the social, economic and environmental aspects of development
- ▶ Disseminates knowledge, mobilises influence, and promotes conservation of nature through traditional knowledge and indigenous, community-based natural resource management and rural development, inclusive of diverse opinions

7. RECOGNITION

- ▶ G.P. Chatterjee Memorial Award, 2017 - Department of Science & Technology (DST), Govt. of India
- ▶ D.Sc. (Honoris Causa), 2019 - International Agency for Standards and Ratings