

DR. MANORANJAN PRASAD SINHA, Ph.D

Dr. Manoranjan P. Sinha (14.10.1956), M.Sc. (gold medalist), Ph.d., D.Sc., F.A.Z., F.Z.SI., F.N.E.A., recipient of Dr. S. Radhakrishnan education excellence award, promising scientist of the century award, international scientist award on engineering, science and medicine and a graduate from St. Columba's college, Hazaribag with honours in Zoology, securing first class first position in the University (1976), did his master degree in Zoology with specialization in environmental biology from Ranchi university (1980), Ranchi securing first position in the university and also obtained Ph.D. degree from Ranchi University, Ranchi on aquatic organic pollution (1985).

He obtained D.Sc. degree from Ranchi University on niche relation among benthic organisms in 1997. Appointed as Lecturer in Zoology by University Service Commission and consequently University Professor (w.e.f. 27/07/1998) in department of zoology, Ranchi University on recommendation of Jharkhand Public Service commission and is credited for publication of more than 224 original research papers published in high quality scientific journals around the globe, more than 20 popular articles and 9 books (3books from Canada,1 book from New York, 1 edited book from Elsevier); with a citation index of more than 900, h-index – 14, i10-index – 29.

He served as Deputy Director and Director in-charge of academic staff college Ranchi University (2005-07) very effectively and successfully. Prof. Sinha served as **Vice Chancellor of Sido Kanhu Murmu University (2018-2020)** and as **Pro Vice Chancellor of Vinoba Bhave University (2014 - 2017)**. He is also the **Chairman of research advisory committee of Central Tasar Research Institute** and **member of Central Silk Board of govt. of India.**

He is **expert member of international association of universities, paris.** Prof. Sinha has been member of many UGC committees and participated in decision making processes.

He is member of editorial board of the journals like pollution research, nature environment & pollution technology and international journal of ecology, environment and conservation and executive editor of two international journals The Bioscan (NAAS rating 5.26) and The Ecoscan (NAAS rating 5.06). Dr. Sinha is fellow, life member and member of several organizations and is also working as officer bearer of some of the organizations. He was actively associated with international youth federation for environmental studies and conservation (IYF) for quite a long period.

Dr. M. P. Sinha has been associated in organizing national and international seminars, conferences as member of national advisory board of the event and chaired a number of sessions of different conferences, seminars and symposia as well as delivered key note address, plenary lectures, invited lectures on different aspects life sciences and environmental sciences. Dr. Sinha has been invited to various universities, different UGC academic staff colleges (ASCs) as well as the Indian Science Congress Association (thrice) to deliver lectures on different topics of environmental science. Prof. Sinha has successfully handled a good number of **research projects** sponsored by **UGC, DBT, govt. of India.**

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CURRICULAM VITAE

Name : **MANORANJAN PRASAD SINHA**
Date of Birth : 14th October 1956
Present Position : **Prof. & H. O. D.**, Department of Zoology,
Ranchi University, Ranchi

Formerly : **Vice Chancellor,**
Sido Kanhu Murmu University, Dumka

Pro-Vice-Chancellor,
Vinoba Bhave University, Hazaribagh

Deputy Director,
UGC Academic Staff College,
Ranchi University, Ranchi (2005-2007)

Academic Qualification : **B. Sc. (Hons.) Zoology,**
Ranchi University (1976)
First Class First

M. Sc. Zoology,
Ranchi University (1980)
First Class First
(Specialization – Environmental Biology)

Ph. D.,
Ranchi University (1988), By thesis

D. Sc.,
Ranchi University (1997), By thesis

FELLOW OF

- ❖ Zoological Society of India
- ❖ Indian Association of Pollution Chemists and Biologists.
- ❖ Academy of Environment Biology.
- ❖ Academy of Zoology.
- ❖ National Environmentalists Association.
- ❖ Association of Zoologist India.

MEMBER OF

- ❖ Zoological Society of India (Life member)
- ❖ International Society of Naturalists. (Life member)
- ❖ Indian Science Congress Association. (Life member)
- ❖ National Environmentalists Association. (Life member)
- ❖ Association of Zoologist India. (Life member)
- ❖ Indian Society for Comparative Animal
Physiology (ISCAP) (Life member & EB member)
- ❖ National Institute of Ecology.
- ❖ Indian Environmental Congress.
- ❖ Indian Society of Tree Scientists.

PUBLICATIONS

Lists of publications attached.

Books

15 published, 2 in press

Full length Research Papers

225 published, 03 accepted/ communicated

Popular Articles

20 (All published)

Abstract : 160

BOOK WRITING

1. **The Diversity of Amphibians and Reptiles**, Delve Publishing, Canada, 2020. (ISBN: 978-1-77407-243-1).
2. **Primate Biogeography**, Delve Publishing, Canada, 2020. (ISBN: 978-1-77407-610-1).
3. **An Introduction to Zoology**, Syrawood Publishing House, New York, 2019. (ISBN: 978-1-68286-784-6)
4. **Encyclopedia of Primatology**, Delve Publishing, Canada, 2019. (ISBN: 978-1-77361-568-4).
5. **Impact of mining on Environment**, Ashish Publications, New Delhi. 1990.(ISBN 81-7024-359-9).
6. **Recent Advances in Ecobiological Research Volume-I**. A.P.H. Publishing Corporation, New Delhi. (ISBN 81-7024-842-6)
7. **Recent Advances in Ecobiological Research Volume- II**. A.P.H. Publishing Corporation, New Delhi. ISBN 81-7024- 993-7
8. **A Text Book of Practical Biology, Volume- I**, Scientific Book Company, Patna.
9. **A Text Book of Practical Biology Vol.- II**, Scientific Book Company, Patna.
- 10.**Recent Advances in Eco-biological Research Vol.- III** In Press.
- 11.**Facets of Current Researches in Life Science 2008**. National Environmentalists Association, India.
- 12.**Advances in Pollution Research 2009**. National Environmentalists Association, India.
- 13.**The Bioscan Special issue Vol-I** (ISSN: 0973-7049), 2010
- 14.**The Bioscan Special issue Vol-II** (ISSN: 0973-7049), 2010
- 15.**The Ecoscan Special Issue Vol-I** (ISSN: 0974-0376), 2011
- 16.**The Ecoscan Special Issue Vol-I** (ISSN: 0974-0376), 2012
- 17.**The Ecoscan Special Issue Vol-III** (ISSN: 0974-0376), 2013
- 18.**The Ecoscan Special Issue Vol-IV** (ISSN: 0974-0376), 2013
- 19.**The Ecoscan Special Issue Vol – V** (Published by Elsevier) (ISSN: 0974-0376), 2014
- 20.**The Ecoscan Special issue Vol – VI** (ISSN: 0974-0376), 2014
- 21.**Facets of Current Researches Vol – I**, Published by Elsevier (ISBN: in press)

RESEARCH JOURNAL EDITING

- Edited the Souvenir, Abstracts and Articles of the First National Seminar on Role of Youth Non-governmental Organizations on Convention on International Trade of Endangered Species in 1981.

MEMBER OF EDITORIAL BOARD OF RESEARCH JOURNAL

- Pollution Research
- Nature Environmental and Pollution Technology
- Impact of Mining on Environment

EXECUTIVE EDITOR OF AN INTERNATIONAL JOURNAL ENTITLED

- The Ecoscan
- The Bioscan

ASSOCIATE EDITOR OF AN INTERNATIONAL JOURNAL

- Journal of Ecology, Environment and Conservation.

PEER REVIEWER FOR

- Asian Journal of Biotechnology, Microbiology and Env. Conservation

PARTICIPATION IN NATIONAL AND INTERNATIONAL SEMINARS, SYMPOSIA, CONFERENCES ETC.

Apart from participation in the Sessions of India Science Congress Association and National Academy of Sciences and other regional seminars, symposia, workshops since 1980, also participated in:

1. South Asia Regional Symposium of International Association of Human Biologists, National Symposium on Child Handicap and 7th Annual

- Conference of Indian Society of Human Genetics; Ranchi, December 26-28, 1980.
2. International Youth Training Courses and Conference; Karad (Maharashtra), March 11-18, 1981.
 3. First Congress of Environment on Environmental Pollution in Developing Countries; Kota, October 1-3, 1981.
 4. Third International Conference on Environmental Education; New Delhi, January 27-29, 1982.
 5. World Conference on Ahimsa, Animal Protection and Human Nutrition; New Delhi, October 31 - November 2, 1985.
 6. National Conference on Biosphere Reserves; Similipal (Orissa), June 3-5, 1985.
 7. IN TACH/FNF workshop on Socio-ecological Impact on the Conservation of Natural Resources in the Eastern Region; Hazaribagh, April 22-23, 1990.
 8. National Seminar on Perspective in Ecology and Environmental Sciences; Sambalpur (Orissa), October 1-3, 1994.
 9. National Seminar on prospective in Ecology and Environmental Sciences sponsored by UGC and Sambalpur University. 1-3 October 1994. Sambalpur.
 10. 13th National Symposium on Recent Trend in Life Sciences- 30-31 Dec. 1995 and 1st Jan 1996. Ch. Charan Singh University, Meerut. U.P.
 11. 83rd Indian Science Congress – 3-8 Jan 1996 Punjabi University, Patiala. Punjab.
 12. National Conference on “Pollution Control and Management in Coal Mining and thermal Power plants. 22-24 Dec. 1996. Sambalpur University, Sambalpur.
 13. 10th All India Congress of Zoology and National Symposium on environmental degradation and animal biodiversity - the problems of India and its remedial measures. 14-18 Oct. 1998, Magadh University. Bodh Gaya.
 14. 85th Indian Science Congress, 3-8 January 1998, Osmania University, Hyderabad.
 15. Indian Science Congress, 3-8 January 1999, Anna University, Chennai.
 16. State level conference on environment and conservation January 16, 99 J.L.N. College, Chakradharpur, Bihar.

17. National seminar on Socio-Economic Morbidity Pattern, Demographical changes and Cultural Heritage in Damodar Basin. 26-27 Nov. 99, Giridih, Bihar.
18. 87th Session of Indian Science Congress, 3-8 January 2000, Pune University, Pune.
19. 21st Annual session of the academy of environmental biology and national symposium on "Ecophysiological consequences of environmental pollution. 6-8 Nov. 2000 N.D. University, Faizabad.
20. ILRI Platinum Jubilee Symposium on 'Lac in the new millennium', September 20-21, 2000.
21. 11th All India Congress of Zoology and National Seminar on: Population explosion in relation to Environment and National development. 17-19 Nov. 2000, B. N. Mandal University, Madhepura, Bihar.
22. National Symposium on conservation management and sustainable development of freshwater resources of India (strategy for new millennium). 24 -26 March, 2000, T. M. Bhagalpur University, Bhagalpur, Bihar.
23. National seminar on Environmental Mutagenesis and Carcinogenesis. 22-23 January 2001. Giridih College, Giridih, V. B. University, Jharkhand.
24. 3rd Indian agricultural scientists and farmer's congress, 3-5 February, 2001, Bioved Research & Communication Centre, Allahabad.
25. International conference of SAARC Countries on Biotechnology in agriculture, Industry & environment, 28-30, December, 2001. Y. C. Science College, Karad, Maharashtra.
26. National seminar on Human population growth: problem & control. 27-28 January 2002. Lok Mahavidyalaya, J.P. University, Chapra.
27. National seminar on Environmental biotechnology, 21-23 December 2002, Deptt. of Biotechnology and Environmental Sciences, Nagarjuna University, Guntur, A.P.
28. National Conference on Zoology vision for 21st Century. 28-31 December, 2002. Deptt. of Zoology, Bangalore University, Bangalore, Karnataka.
29. National conference on Pollution Scenario and its effects on the biosphere. 28-29 January, 2003, RSP College, Jharia, V.B. university.
30. 20th Annual conference of Indian Society for Comparative Animal Physiology and Symposium on Physiological Approaches to Conserve

- Biodiversity and to tackle environmental health Hazards. 26-28 February 2003, Department of Zoology, S. V. University, Tirupati, A.P.
31. Rehabilitation of land under anthropogenic stress and degradation - Institute of Forest Productivity, Ranchi, 20 Jan. 2004.
 32. National Conference on population growth pollution and biodiversity loss- a biosocial approach, 18-19 Feb. 2005, organised by SSM College, Ranchi.
 33. National seminar on Molecular Biology and Biodiversity, 5-7 June 2005, organised by Centre of Bioinformatics, Ranchi.
 34. National Seminar on the Impact of Pollutants on Fishes and Other Aquatic Life in Different Water Bodies, 5 – 6 February 2006, organized by Department of Zoology Jamshedpur CO-Operative College, Jamshedpur.
 35. UGC sponsored National Conference on Environmental Education for sustainable lifestyle, 10-11 February 2006, organized by Patna Women's College Patna.
 36. National Conference on Recent Advance in Environmental Biotechnology for Forest and Bio-Diversity Management, 7 – 8 March 2006, Organised by Ranchi Women's College, Ranchi.
 37. National Seminar on Importance of Medicinal Plants cultivation in Promoting the Rural Economy and Supporting Rural Health Care System, 11 – 12 March 2006, organized by society for Environment and Social Awareness – S. E. S. A., Jharkhand.
 38. International Conference in Zoology INCOZ – 2006, 19 – 22 November 2006, organized by UGC Academic staff College and Department of Zoology, Bangalore University, Bangalore.
 39. National Seminar on Recent Advances in Animal Ecology, 23 – 24 November 2006, organised by J. M. J. College for Women (Autonomous), Tenali.
 40. National Conference on The Role of Biotechnology in the Development of Mankind 17 – 18 March 2007, organized by R. S. P. College, Jharia.
 41. National Seminar on Environment and Sustainable Development (ESD – 2007) 17 – 18 March 2007, Organised by P. G. Department of Environment Science, Sambalpur University.
 42. National Symposium on Bio-Resources: Technology and Prospects. 18 – 19 March, 2007. Organised by Department of Botany, Govt. Science P. G. College. Bilaspur (C. G.)
 43. National Conference on Recent Trends in Biotechnology in context of Animal Development and Environmental Biology. 28 – 30 January, 2008,

- Organised by Department of Zoology, Arts, Science & Commerce College, Indapur and National Environmentalist Association, India.
44. International Conference on Technologies for mitigation of environmental pollution and their application in conservation of Aquatic Ecosystem. 11-13, December, 2008, Organised by Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M. S.)
 45. 3rd National Conference of National Environmentalists Association on Environmental Science and Technology for sustainable Development, 18-20 January, 2009, Organised by IQAC, Government College for Women, Srikakulam, A. P.
 46. XXXIV Annual Conference of Environmental Mutagen Society of India (EMSI) and International Symposium on Genomics and Molecular basis of Human diseases, 17-19 March, 2009, Organised by Department of Botany, Magadh University, Bodhgaya.
 47. 4th National Conference of National Environmentalists Association on Present scenario of Environmental Pollution and its effect on living organisms, 9-11 December, 2009, Organised by Department of Zoology Govt. College of Arts and Science Aurangabad, Maharashtra.
 48. UGC Sponsored National Seminar on Environmental Degradation Its impact on living System, 22-23 October, 2010, Organised by P. G. Department of Zoology, Jai Prakash University, Dak Banglow Road, Chapra, Bihar.
 49. International Conference on Energy, Environment and Development (from Stokholm to Copenhagen and beyond) (ICEED 2010) 10 – 12 December, 2010, Organised by Department of Environmental Sciences, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa.
 50. International Conference on Climate Change, Forest Resource and Environment (ICCFRE, 2011) 09 -11 December, 2011, Organised by Department of Environmental Sciences, University of Kerala, Thiruvananthapuram, Kerala.
 51. International Conference on Anthropogenic Impact on Environment and Conservation Strategy (ICAIECS, 2012), November 2-4, 2012, organized by Department of Zoology, Ranchi University, Ranchi and Departments of Zoology and Botany, St. Xavier's College, Ranchi as Convener.
 52. National Conference on Biodiversity and conservation of Nature and natural Resources, 14-15 December, 2012, organized by Deptt. of Zoology, Adarsh Education Society's Arts, Commerce and Science College, Hingoli, Maharashtra.

53. National Seminar on Ecology, Environment and Development organized by Deptt, of Environmental Sciences, Sambalpur University, Sambalpur, in collaboration of National Environmentalists Association, 25-27 January, 2013.
54. International Conference on Harmony with nature in context of ecotechnology intervention and climate change (HARMONY, 2013), November 11-13, 2013, organized by Department of Zoology, Biotechnology and Environmental Sciences, DDU Gorakhpur University, Gorakhpur U.P.
55. National Conference on Aquatic Ecosystems and their Management: Recent trends and future perspectives, March 21-23, 2014, organized by Centre for Environmental Sciences, Central University of Bihar, Patna, Bihar.
56. International Symposium on River Biodiversity: Ganges-Brahmaputra-Meghna (GBM) River System, April 4-6, 2014, organized by Patna University, Patna and University of Chittagong, Bangladesh at Patna, Bihar.
57. National Seminar on Values of Information in Zoology, February 24-25, 2014. Organized by Tilka Majhi Bhagalpur University, Bhagalpur, Bihar.
58. International conference on Innovation and Research dimensions in Nanobio Pharmaceutical Technology, October 7th – 8th, 2014. Organized by Department of PHarmaceutical technology, Anna University, Tiruchirappalli, Tamil Nadu.
59. International Conference on Basic and Applied Sciences for Next Generation Frontiers, November 14-15, 2014. Organized by Lovely Professional University, Jalandhar, Punjab and Elsevier India
60. National Conference on Harmony with nature in context of Environmental Issues and Challenges of 21st century (Harmony – 2014), November 28 – 30, 2014, Organized by Department of Environmental Sciences, Faculty of Earth Sciences, M. L. Sukhadia University, Udaipur in Association with National Environmentalists Association, India
61. 4th International Conference of Vice Chancellors on Internationalization of Higher Education with respect to Diversity and Inclusion, March 5-7, 2020, Organized by Symbiosis International University, Pune.

POST HELD - PAST AND PRESENT

Acted in past and also acting at present as President, General Secretary, Executive Member of Various National Societies. Some of them are

- Co-ordinator – Media and Environment Project of International Youth Federation for Environmental Studies and Conservation (IYF), Denmark from 1980-1982.
- General Secretary- National Environmental Association, India, a member organization of IYF, Denmark, 1980-1982.
- President- National Environmental Association, India, a member organization of IYF, Denmark, 1982-84.
- Member- Manual Preparation Committee for Environmental Studies in World Countries, a IYF Project. (1982-84)
- Regional Co-ordinator- worked as Regional Co-ordinator of International Conference on Ahimsa, Animal Protection and Human Nutrition, 1985.
- Chairman- Eastern Regional Environmental Activists Association, (1990-94).

POST HOLDING AT PRESENT:

- General Secretary- National Environmentalists Association, since 1988.
- President- Bihar Environmental Association, since 1980.
- Executive Member- Indian Association of Pollution Chemists and Biologists, since 1986.
- Secretary- Zoological Society, Ranchi University, Ranchi since 1996.
- Project director, Prithvi Foundation, A registered NGO at Ranchi since 1999.
- Chief advisor, People for Animals, Ranchi since 1999.
- Deputy Director, UGC Academic Staff College, Ranchi University (2005 – 2007).
- Executive body member, Indian Society of Comparative Animal Physiology (2003-2008).
- Executive Editor, The Ecoscan and The Bioscan since 2006.

- Pro-Vice-Chancellor, Vinoba Bhave University, Hazaribagh, since 28th May, 2014

RESEARCH AND TEACHING

More than 30 years of Research Experience and teaching Experience up to Master Degree Standard.

1. Research Guiding Experience	:	Ph.D. degree awarded -	20
		Ph.D. scholars reg.	- 05
		M.Phil. degree awarded	- 08

LECTURES DELIVERED AS INVITED SPEAKER/RESOURCE PERSON:

RESOURCE PERSON

- On impact of coal mining on environment and Niche relation in benthic community; 1st Refresher Course in Environmental Sciences, Sambalpur University, October, 1994.
- On species diversity and Biomonitoring & Epiphytic fauna and their role in trophic dynamics; 3rd Refresher Course in Environmental Sciences, Sambalpur University February 1994.
- On the world environment & Environmental conservation; 1st Orientation Course in Environmental Sciences, Staff Academy College, Ranchi University, Ranchi, July, 1994.
- On the environmental problems of the globe & Biodiversity conservation; 2nd Orientation Course in Environmental Sciences, Staff Academy College, Ranchi University, Ranchi, February 1994.
- Course coordinator of Orientation course organized by ASC Ranchi University, Ranchi 2003

- Course coordinator of Refresher course in environmental science organized by Ranchi University, Ranchi, 2005.
- Resource person in ASC, Utkal University, Bhubaneswar, January, 2008.
- Resource person in ASC, Burdwan University, Burdwan, January, 2009.
- Resource person in ASC, Dr. B. A. Marathwada University, Aurangabad, Maharashtra April 2012.

INVITED SPEAKER

- On ecological niche in context of biodiversity conservation; Indian Science Congress Association, January, 1996 hosted by Punjabi University, Patiala.
- Sagar University – In UGC sponsored refresher course in Zoology.
- Chennai – Invited speaker in Indian Science Congress
- Magadh University – In UGC sponsored refresher course in Zoology.
- Barkatullah University, Bhopal - Refresher Course in Zoology organized by Department of Zoology
- Orientation course organized by ASC Ranchi University, Ranchi
- Refresher course in Life sciences organized by ASC Sambalpur University, Sambalpur
- Refresher course in Zoology organised by Magadh University, Bodh Gaya, 2005.
- Invited Speaker in National Conference on Environmental Education for Sustainable Lifestyle, organised by Patna Women's College, Patna.
- Invited Speaker in National Conference on The Role of Biotechnology in the Development of Mankind 17 – 18 February 2007, Organised by R. S. P. College, Jharia.
- Invited Speaker in National Seminar on Environment and Sustainable Development (ESD – 2007) 17 -18 March 2007, Organised by P. G. Department of Environment Science, Sambalpur University.
- Invited Speaker in National Conference on Recent Trends in Biotechnology in Context of Animal Development and Environmental biology. 28 – 30 January, 2008, organized by Department of Zoology, Arts, Science & Commerce College, Indapur and National environmentalist Association, India.

- Invited Speaker in International Conference on Technologies for mitigation of environmental pollution and their application in conservation of Aquatic Ecosystem. 11-13, December, 2008, Organised by Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M. S.)
- Invited Speaker in 3rd National Conference of National Environmentalists Association on Environmental Science and Technology for sustainable Development, 18-20 January, 2009, Organised by IQAC, Government College for Women, Srikakulam, A. P.
- Invited Speaker in XXXIV Annual Conference of Environmental Mutagen Society of India (EMSI) and International Symposium on Genomics and Molecular basis of Human diseases, 17-19 March, 2009, Organised by Department of Botany, Magadh University, Bodh Gaya.
- Invited Speaker in 4th National Conference of National Environmentalists Association on Present scenario of Environmental Pollution and its effect on living organisms, 9-11 December, 2009, Organised by Department of Zoology, Govt. College of Arts and Science Aurangabad, Maharashtra.
- Delivered a Keynote address on “Harmony with nature in context of ecotechnology intervention and climate change” in International Conference on Harmony with nature in context of ecotechnology intervention and climate change (HARMONY, 2013), November 11-13, 2013, organized by Department of Zoology, Biotechnology and Environmental Sciences, DDU Gorakhpur University, Gorakhpur U.P.
- Invited Speaker in National Conference on Aquatic Ecosystems and their Management: Recent trends and future perspectives, March 21-23, 2014, organized by Centre for Environmental Sciences, Central University of Bihar, Patna, Bihar.
- Invited Speaker in International Symposium on River Biodiversity: Ganges-Brahmaputra-Meghna (GBM) River System, April 4-6, 2014, organized by Patna University, Patna and University of Chittagong, Bangladesh at Patna, Bihar.
- Invited Speaker in National Conference on Harmony with nature in context of Environmental Issues and Challenges of 21st century (Harmony – 2014), November 28 – 30, 2014, Organized by Department of Environmental Sciences, Faculty of Earth Sciences, M. L. Sukhadia University, Udaipur in Association with National Environmentalists Association, India

AWARDS, SCHOLARSHIPS AND HONORS:

- Merit cum Poverty Scholarship of Government of Bihar during Graduation.
- National Merit Scholarship of Government of India during Masters Degree.
- Recipient of Gold Medal for securing First Class First Position in the University.
- Awarded Promising Indian Zoologist/Environmental Scientist of the 20th Century Gold Medal by Zoological Society of Indian in 10th All India Congress of Zoology in 1998.
- Awarded Award of Excellence by National Environmentalists Association, India in 2013.

RESEARCH PROJECT HANDLING EXPERIENCE:

- Base line data generation for Environmental Management sponsored by Richardson and Kurdas Chennai- completed in 1999.
- Studies on earthworm in particular reference to climo-edaphic factors- sponsored by UGC, completed in 2004.
- Major Research Project - Earthworm biodiversity and its functional significance in Jharkhand- UGC Major Research Project completed in 2008.
- Base Line Data Generation for EIA Based on Flora and Fauna Study of Core Zone and Buffer Zone under West Bokaro Coal Mines, Ghato, Hazaribagh (Work order no. – 4700008778/902), Dated 08.02.2006 (Completed).
- Morphometry and Phylogeography of honey bees and stingless bees in India – Principal Investigator of DBT funded project net work for Bihar, Jharkhand and West Bengal.
- Exploration, Antimicrobial Evaluation and Bio-molecular Characterization of Ethnomycologically Potent Macrofungi of Assam-Principal Investigator of DBT-NER Twinning project.
- Validation of Pharmacological efficacy of some medicinal plants on Mammalian animal model. U.G.C. Delhi.

SOCIAL SERVICE AND EXTENSION WORK:

- Has been an active member of National Service Scheme during student life.
- Represented Ranchi University in National Camp of N. S. S. in 1976.
- Actively engaged in Environmental Awareness campaign since 1976.
- Organised first time World Environment Day celebration in Ranchi on 5th June 1980 in big way.
- Promoted the idea of Community Sanitation by creation of working groups
- Organised an International Conference on Anthropogenic Impact on Environment and Conservation Strategy (ICAIECS, 2012), November 02 - 04, 2012, as Convener.

FIRST MAN IN JHARKHAND TO DO:

- Research on the Earthworm diversity of Jharkhand as nothing was known about the biodiversity of earthworm in the geographical region.
- Research on soil bacteria on their population, their genomic analysis and identification.
- Research on impact of nuisance weed *Parthenium* on consumer and decomposer community.
- Research on pharmacological potentiality of medicinal plants of Jharkhand on animal model.
- Prepare nano-particle of medicinal plants.
- Invited four times to deliver lecture in Indian National Science Congress.
- Associated with more than 35 universities of India in academic activities.
- First man to have network project in Jharkhand and being in charge of Jharkhand, Bihar and West Bengal as Principal Investigator.
- First man to have twinning project, the collaborative partner is Gauhati University, Assam.
- Research on Green and White Nanoparticles – Synthesis, characterization and impact assessment.

LIST OF PUBLICATIONS

Published

(A) Books

(B) Popular Articles

(C) Research Paper

(A) BOOK

1. The Diversity of Amphibians and Reptiles, Delve Publishing, Canada, 2020. (ISBN: 978-1-77407-243-1).
2. Primate Biogeography, Delve Publishing, Canada, 2020. (ISBN: 978-1-77407-610-1).
3. An Introduction to Zoology, Syrawood Publishing House, New York, 2019. (ISBN: 978-1-68286-784-6)
4. Encyclopedia of Primatology, Delve Publishing, Canada, 2019. (ISBN: 978-1-77361-568-4).
5. Impact of mining on Environment, Ashish Publications, New Delhi. 1990.(ISBN 81-7024-359-9).
6. Recent Advances in Ecobiological Research Volume-I. A.P.H. Publishing Corporation, New Delhi. (ISBN 81-7024-842-6)
7. Recent Advances in Ecobiological Research Volume- II. A.P.H. Publishing Corporation, New Delhi. ISBN 81-7024- 993-7
8. A Text Book of Practical Biology, Volume- I, Scientific Book Company, Patna.
9. A Text Book of Practical Biology Vol.- II In press
10. Recent Advances in Eco-biological Research Vol.- III In Press.
11. Facets of Current Researches in Life Science 2008. National Environmentalists Association, India.
12. Advances in Pollution Research 2009. National Environmentalists Association, India.
13. The Bioscan Special issue Vol-I (ISSN: 0973-7049), 2010
14. The Bioscan Special issue Vol-II (ISSN: 0973-7049), 2010
15. The Ecoscan Special Issue Vol-I (ISSN: 0974-0376), 2011
16. The Ecoscan Special Issue Vol-I (ISSN: 0974-0376), 2012

17. The Ecoscan Special Issue Vol-III (ISSN: 0974-0376), 2013
18. The Ecoscan Special Issue Vol-IV (ISSN: 0974-0376), 2013
19. The Ecoscan Special Issue Vol – V (Published by Elsevier) (ISSN: 0974-0376), 2014
20. The Ecoscan Special issue Vol – VI (ISSN: 0974-0376), 2014
21. Facets of Current Researches Vol – I, Published by Elsevier (ISBN: in press)

(B) POPULAR ARTICLES

1. The water and air pollution problems with special reference to Chotanagpur.
2. The problem of urban- ecosystem of the Indian sub continent.
3. Deforestation in Bihar and role of youth in conservation.
4. Pesticides and their effect on environment. - **All in Proc. International Training Course, Karad, 8-12 March 1981.**
5. On the conservation of flora and fauna – the role of CITES and youth. - **Proc. 1st National Seminar on Role of youth in CITES 5th June 1981.**
6. CITES its Role and Relevance.- **ibid.**
7. On conserving wildlife. - **The Searchlight, 12th October 1981. English Daily.**
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Sl. No.	Publication	Details
1	Impact of <i>Pleurotus tuber-regium</i> extract-loaded with silver nanoparticles (SNPs) on profile of thyroid hormone profile of rats. <i>Biotechnologica Acta</i> 14(3): 2021	SPAIN ICV indexed
2	Study on impact of silver nanoparticles synthesized using aqueous extract of <i>Ganoderma applanatum</i> on thyroid and lipid parameters of albino rats. Accepted for publication	UKRAINE Impact Factor: 0.876
3	Manoj Kumar, Rakesh Ranjan, Rohit Srivastava, M. P. Sinha (2021) . The alleviating effect of aqueous leaf extract of <i>Punica granatum</i> and <i>Swertia chirayita</i> on induced oxidative stress on testes of male Wistar rats. <i>Journal of Basic and Applied Zoology (Communicated)</i>	EGYPT Springer Nature
4	Rohit Srivastava, Rakesh Ranjan, Manoj Kumar, Sweta Subarna, Samir Kumar Mandal, M. P. Sinha (2021) . Additional first record of earthworms belonging to family octochaetidae from Chotanagpur plateau of Jharkhand, India. <i>Zootaxa (Communicated)</i>	SOUTH AFRICA Impact factor: 1.091
5	Sukumar Dandapat, Manoj Kumar, Rakesh Ranjan, Amar Kumar, M. P. Sinha (2021) . Study of impact of <i>Ganoderma applanatum</i> (Pers.) Pat., extract loaded nanoparticles on thyroid and lipid parameters of rat. <i>Anales de Biologica (Communicated)</i>	SPAIN ICV indexed

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