

Curriculum Vitae

Dr. Ramesh Chandra Tripathi

Associate Professor in Zoology

Department of Biological Sciences
Faculty of Science and Environment
Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya
Chitrakoot, Satna (MP)- 485 780

1. NAME	Dr. RAMESH CHANDRA TRIPATHI
2. FATHER'S NAME	M. Sc., D. Phil., FSBA, FBRS, FESI, SRI SHREE NATH TRIPATHI
3. DATE OF BIRTH	15. 01. 1962
4. ADDRESS	Department of Biological Sciences Faculty of Science & Environment Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot Dist. - SATNA (MP) - 485334 Fax: 07670 -265340 Mob: 9450783615/ 7509643750 E-mail: rctmgcgv@gmail.com
5. NATIONALITY RELIGION	AND INDIAN, / HINDU
6. EDUCATION	M. Sc. Zoology; D. Phil. (Entomology) from University of Allahabad.
7. AWARDS / MEDALS	Fellowship award Society for Biocontrol Advancement Bangalore, 2011. Prof. J. S. Datta Munshi Gold Medal-2009, Raghunathi Devi Madal-2009 Fellowship Award - 2006, Young Scientist Award in 1995
8. RESEARCH EXPERIENCE TEACHING EXPERIENCE	24 Years 24 Years
9. PUBLICATIONS	Two Books, 48 Full papers, 52 Abstracts.
10. AREA OF SPECILIZATION	Biosystematics, Biodiversity, Behaviour, Biology of Cecidomyiids & Biological Control of Insect Pests. GIS, and Biological Control of Mosquito larvae using indigenous fishes.
11. MEMBERSHIP	Life member of Mahakaushal Vigyan Parishad, Fellow of ESI New Delhi, Fellow of BRS Allahabad, Fellow of Society for Biocontrol Advancement, Bangalore; Life Member, Indian Science Congress Association, Member of CSI Allahabad, ISRS Dehradun, and Society of Life Sciences
12. EXPERT MEMBER	Advisory Committee of Dictionary of Zoology, Commission for Scientific & Technical Terminology, Ministry of HRD, New Delhi; CPCSSA
13. INTERNATIONAL AND NATIONAL SEMINAR	52
14. REFRESHER COURSES	03
15. TRAINING	Biological Control of different crop pests. GIS : Technology and Application. TTP in Entrepreneurship Development Introduction to Arc View; Network Analyst;

Spatial Analyst & 3D Analyst and Intellectual
Property Right.

16. NATIONAL SEMINAR /
WORKSHOP ORGANISED

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EDUCATIONAL QUALIFICATION

Exam Passed	Univ./ Board	Year	Division	Subjects
High School	U.P. Board	1978	II	Hindi, Math, English, Science, Biology
Intermediate	U.P. Board	1980	I	Hindi, English, Physics, Chemistry, Biology.
B. Sc.	University of Allahabad	1982	II	Zoology, Botany, Chemistry.
M. Sc.	University of Allahabad	1984	I	Zoology (Entomology)
D. Phil.	University of Allahabad	1991	-	Zoology (Entomology)
Certificate	IIRS Dehradun	2001	-	GIS Technology and its Application

PROFESSIONAL EXPERIENCE

S.N.	Employer	Position	Pay Scale	Basic	Period
	Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya	Asso. Prof. in Zoology	37400-67000 PB: 9000	60,600	29.05.2006 to date
	M.G.C.G.V. Chitrakoot, Satna	Reader in Zoology	12420-420-18300	13,680	29.05.2003 to 28.05.2006
	M.G.C.G.V. Chitrakoot, Satna	Senior Lecturer	10000-325-15200		29.5.98 to 28.05.2003
	M.G.C.G.V. Chitrakoot, Satna	Lecturer	8000-275-13500	11575	01.1.93 to 28.5.98
	M.G.C.G.V. Chitrakoot, Satna	Research Associate	1740-3000	1800/M	01.7.91 to 31.12.92
	Govt. Inter College Chaubati, Pithoragarh	Lecturer	1600-2660	1600/M	17.11.90 to 30.06.91
	University of Allahabad	S.R.F.	Fixed	2100/M	16.1.88 to 31.1.89

University of Allahabad

J.R.F.

Fixed

1800/M

16.1.86 to
15.1.88

ACADEMIC ADMINISTRATION

S.No.	Position	Institute/University	Period
1.	Director, Research	M.G.C.G.V. Chitrakoot	April 2015 to date
2.	Dean In charge	Faculty of Science M.G.C.G.V. Chitrakoot	20.5.2003 to 1.5.2006
3.	Head In charge	Deptt. Of Biological Science, M.G.C.G.V. Chitrakoot	14.4.2007 to 10.05.2010
4.	Coordinator	MPCST-University Cell and IPR –University Cell	2009 to 2013
5.	Professor in Charge	M.Sc. Biotechnology, M.Sc. Zoology & M. Phil. (Zoology)	2010 to date
6.	Chairman Entrance Examination Committee	M.G.C.G.V. Chitrakoot	Session 2007-08, 2011
7.	Assistant Registrar	Examination M.G.C.G.V. Chitrakoot	31.7.93 to 17.9.94
8.	Chairman, Board of Studies	Deptt. Of Zoology M.G.C.G.V. Chitrakoot	July 92 to 10.05.2010
9.	Member Academic Council	M.G.C.G.V. Chitrakoot	1994 to 1996, 2003-2010
10.	Purchase Officer	M.G.C.G.V. Chitrakoot	19.11.2007 to 25.09.2008
11.	Co-chairman, Entrance Examination Committee	M.G.C.G.V. Chitrakoot	2006-2007
12.	Coordinator & Member Unfair means Committee	M.G.C.G.V. Chitrakoot	Session 1992-1993 1998 & 2002-2004
13.	Convener, Clerk Cum-Typist Recruitment Exam.	M.G.C.G.V. Chitrakoot	1994
14.	Coordinator & Member Flying Squad	M.G.C.G.V. Chitrakoot	1994, 1998, 2001- 2006
15.	Examination Superintendent	Faculty of Science M.G.C.G.V. Chitrakoot	Session 1995, 1996, 2003 – 2006, 2011, 2015

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| 16. | Assistant
Superintendent | Examination | Faculty of Science
Chitrakoot | M.G.C.G.V. | Session 2010-2011, 2013-
2015 |
| 17. | Member,
Examination Committee | Entrance | M.G.C.G.V. Chitrakoot | | Session 2011-12, 2015 |

Achievement

I have been working in Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya since July1, 1991. I am working now in the capacity of **Associate Professor** in **Zoology** in the Department of Biological Sciences, Faculty of Science and Environment from 29.05.2006. My achievements are depicted below:-

Teaching

Right from beginning I am involved in Graduate and Post graduate teaching. The Courses which were taught by me are:-

- B. Sc.
- B. Sc. (Ag.)
- M. Sc. Environment
- M. Sc. Zoology
- M. Sc. Biochemistry
- M. Sc. Biotechnology

Book

- **Biosystematics and Taxonomy** at U.G.C. model curriculum of M.Sc. Zoology
- प्राणि विज्ञान परिभाषा कोष, वैज्ञानिक एवं तकनीकी शब्दावली आयोग, मानव संसाधन विकास मंत्रालय, नई दिल्ली।

Research

I did a lot of relevant research on the various aspects of Cecidomyiids. I accentuated much on Biological control of aphids, Coccids and Mites by using predatory and parasitoid cecidomyiids; Biological control of Mosquito larvae using indigenous larvaevorous fishes. This is an area where Ministry of Forest & Environment, Agriculture and Science & Technology giving much privilege. In fact it is a major issue to the Indian farmer's to overcome to the problems of pesticides. I also published number of research papers on taxonomy, biology, ecology and biological control of insect pests and mosquito larvae and GIS & health . My research papers are published in esteemed research journals like **International Journal of Current Research**, **International Journal of Advanced Research in Bio-technology**, **International Research Journal of Environment Sciences**, **Journal of Biological Control**, **Indian Journal of Environment and Ecoplanning**, **Cecidologia Internationale**, **Bioved**, **Journal of the Indian**

Society of Remote Sensing, Flora & Fauna, Life Science Bulletin, Journal of Kalash Science, Gramodaya Research Journal and Vindhya Research Journal. Total numbers of research papers are 48 and 52 papers presented in Seminars/ Conferences.

Award

- Recipient of **Fellowship award** Society for Biocontrol Advancement Bangalore, 2011.
- **Prof. J.S. Datta Munshi Gold Medal** in 2009
- **Raghunathi Devi Medal** in 2009
- Recipient of **Fellowship award** in 2006
- Recipient of **Young Scientist Award** in 1995

Membership of Professional Societies

I got honour of membership from esteemed research societies which are:-

- Life Member of The Indian Science Congress Association, Kolkata
- Member of World Academy of Science, Engineering and Technology, USA
- Fellow of Society for Biocontrol Advancement Bangalore,
- Fellow of Entomological Society of India, New Delhi.
- Fellow of Bioved Research Society, Allahabad
- Advisor and Co-opted Member, BER Chapter of National Academy of Sciences India, Allahabad
- Member of Cecidological Society of India, Allahabad.
- Member of Indian Society of Remote Sensing, Dehradun.
- Member of Society of Life Science
- Member of Flora and Fauna, Jhansi.

Chief Editor: Gramodaya Research Journal

Co-Editor, Indian Journal of Environment and Ecoplanning published by Society of Environmental Science , Dumka

Co-opted Advisor of Bundelkhand Extended Region Chapter of NASI, Allahabad

Research Project Executed

Three research projects are executed by me

- Popularisation of Science and Technology programmes among students of Chitrakoot by M.P.C.S.T.- University Cell Rs. 75000/- financed by M.P.C.S.T., Bhopal.
- “Screening of Medicinal plants with respect to extent of damage caused by phytophagous insects and animals” of worth Rs. 35000, financed by UGC.
- “Cultivation of Medicinal and Aromatic Plants in Birsingpur area of Distt. Satna (MP)” of worth Rs. 12000, financed by MAPCOST, Bhopal.
- Worked as JRF and SRF in "Ecology of Gall-midges predatory on Aphids Mites, Coccids, and other agricultural pests funded by D.S.T. New Delhi.

Research Projects (Submitted) - 01

- To UGC

Extension and Training

Being the faculty member in Rural University, I did a lot with glee different types of extension work, which is elaborated in detail in attached biodata. Some specification regarding training and extension work are mentioned viz.:-

- Organised 18 “**Village Level Gosthies**” in 18 villages of SADA, Chitrakoot
- Organized Science Extension Lectures in 2005 and 2006 with National Academy of Sciences India, Allahabad
- Organised summer training Programme on Natural Resource Management and Water Testing Demonstration with National Academy of Sciences India, Allahabad in 2008.
- Organized Popular Science Lectures in 2009-2013.
- Organised **Debate, Essay writing Competition, Quiz Competition and Model Development** in 2009-2013.
- Organised **Quiz Competition** in 2011-2013.

Attended and successfully completed following short term courses :-

Two months

- a. Biological Control of different crop pests**, held at Project Directorate of Biological Control, Bangalore from May 14, 2001 to July 12, 2001
- b. GIS Technology and Application** held at Indian Institute of Remote Sensing, Dehradun from Jan.1, 2001 to March 2, 2001

Three weeks

- short term programme on **Entrepreneurship Development**, organized by CEDMAP, Satna in 1998.

One week

- a. Training Need Assessment for Natural Resource Management** held at National Institute of Rural Development, Hyderabad in 2002.
- b. GIS training on Arc view, Network Analysis, Spatial Analyst, 3 - D Analyst & Arc GIS** held at ESRI , New Delhi in 2002

- Attended two days training Programme on **Intellectual Property Right** organized by Patent Facilitating Centre- TIFAC, DST, New Delhi, May 13-14, 2010

INVITED LECTURES DELIVERED

- Delivered many invited lectures in short term training programmes, organized for employees of Forest Department for social forestry

RESEARCH

FIELD OF SPECIALIZATION

1. **Biosystematics-** Carried out work on Taxonomy of Cecidomyiids (Diptera : Cecidomyiidae) and described 14 new species
2. **Biodiversity** - Biodiversity of Cecidomyiids is studied and 14 new species have been described. Biodiversity of medicinal plants of Chitrakoot area has been also studied.
3. **Behaviour** - Behaviour of predatory and parasitoid cecidomyiids are studied and three research papers published.
4. **Biology** - Life histories of Cecidomyiids are studied in detail and Biology of four cecidomyiids has been published.
5. **Biological Control of Insect Pests**
Efficiency of predatory Cecidomyiids is studied in detail and published papers
6. **Biological Control of Mosquito larvae**
Biological control of mosquito larvae using Indigenous larvaevorous fishes and published one paper
7. **Geographic Information System (GIS)**
Application of GIS in Life Sciences and published one paper.

LIST OF PUBLICATIONS

DETAILS OF RESEARCH PAPERS PUBLISHED IN INTERNATIONAL / NATIONAL JOURNALS

1. A note on *Pseudendaphis/ Endaphis* spp. *Cecidologia Internationale* 9 (1): 7-8. 1988 with P. Grover.
2. Biology of *Monobremia rishikeshensis* Grover. *Cecidologia Internationale* 9 (3) : 147 - 156. 1988 with P. Grover.
3. First record on Genus *Epidiplosis* Felt (1908) from India. *Cecidologia Internationale* 9 (3): 157-162. 1988 with P. Grover.
4. A new species of *Silvestrina* Kieffer. *Cecidologia Internationale* 9 (3) : 163 - 169. 1988.
5. Biology of *Triommata coccidivora* (Felt). *Cecidologia Internationale*. 10 (2-3): 75 – 90. 1989 with P. Grover.
6. A new species of *Giardomyia* Felt. *Cecidologia Internationale* 10 (2 - 3): 105 - 110. 1989.
7. Assessment of the efficiency of *Endaphis aphidimyza* Shivpuje et. al. (Cecid. : Diptera). A Biocontral agent against aphids. *Cecidologia Internationale* 12 (1, 2 & 3): 13 - 29. 1991. with P. Grover et. al.
8. Survey of Predatory and Parasitoid Cecidomyiids of Coccids. Aphids and mites. *Cecidologia Internationale* 12 (1 , 2.& 3) : 39 - 50. 1991 with P. Grover et. al.
9. A new Species of the genus *Resseliella* Seitner (Cecid : Diptera) from India. *Cecidologia Internationale* 12 (1 , 2 & 3) : 51 - 60. 1991.
10. Biological notes on *Resseliella emblicae* sp. nov. Infesting fruits of *Emblica officinalis* Gaertn. *Cecidologia Internationale*. 12 (1 , 2.&3) : 61 - 74. 1991.
11. A new species of genus *Clinodiplosis* . Kieffer from India. *Bioved* 3 (1) : 99 - 104. 1992.
12. A new species of genus *Porricondyla* Rondani (Cecid. : Diptera) from India. *Cecidologia Internationale* 13 - 14 (1 , 2. & 3) :1 - 7. 1992 - 1993.
13. Two new species of genus *Coquillettomyia* Felt (Cecid. : Diptera) from India. *Cecidologia Internationale* 13 - 14 (1 , 2. & 3) : 9 - 22, 1992 - 1993.
14. A new species of genus *Mycodiplosis* Rubssamen (Cecid. : Deptera) from India. *Cecidologia Internationale* 13 - 14 (1, 2 & 3) : 87 -95, 1992 - 1993.
15. Biology of *Mycodiplosis beliae* Chandra (Cecid. : Deptera) *Cecidologia Internationale* 13 - 14 (1,2 & 3) : 143 - 153, 1992 - 1993.
16. A new species of the genus *Parallelodiplosis* Rubssamen (Cecid. : Diptera) from India, *Cecidologia Internationale* 13 - 14 (1,2 &3) : 181 - 187, 1992 - 1993.

17. A new species of the genus *Hyperdiplosis* Felt (Cecid. : Diptera) from India. *Cecidologia Internationale* 13 - 14 (1,2 & 3) : 189 - 195, 1992 - 1993.
18. A new species of the genus *Blastodiplosis* Kieffer (Cecid. : Diptera) from India. *Bioved* 4 (2) : 243 - 248. 1993.
19. A new species of the genus *Karschomyia* Felt (Cecid. : Diptera) from India. *Bioved* 8 (1-2) : 97- 102 , 1997
20. Assessment of certain plant extract against *Helicoverpa armigera* Hub. *Flora and Fauna* 6 (2) : 82, 2000.
21. Characterization of Malaria vector habitats using Remote Sensing & GIS. *J. of the Indian Society of Remote Sensing*. 29 (1&2): 31-36, 2001 with Jaganathan,C. & Khan, S.A. etc.
22. Mahun Ka Javik Niyrantran, *Vigyan Garima Sindhu* 46-47: 56-58, 2003.
23. Status of Medicinal plants with respect to infestation of insect pests in and around Chitrakoot, Dist. –Satna , *Flora and Fauna* 10(2): 88-92, 2004.
24. Effect of Chlorine and Hydrogen sulphide gases on voltage in leaf batteries of *Rhoeo spathacea* (Swartz) Stearn, *Flora and Fauna* 13(1):95-97, 2007 with Bharat Mishra and I.P.Tripathi
25. Pest Status of medicinal plants of Chitrakoot region in Proceeding of National Seminar on state of Art in cultivation, collection, storage, processing and marketing of herbal, Medicinal and Aromatic plants : 36-38, 2008
26. Efficiency of *Puntius ticto* in Biological Control of Mosquito's Larvae in Chitrakoot, Satna. *Indian Journal of Environment and Ecoplanning*, 16(2-3): 589-592. 2009 with Brahman, L
27. Effect of Insecticides in the population of Endoparasitoid Cecidomyiids. *Bioved*, 20(3):1-3. 2009. with Tripathi, S.K. and Kumar, M.
28. Population Dynamics of *Endaphis aphidimyza* (Cecidomyiidae:Diptera) of safflower aphid in Chitrakoot Satna, MP, India *Flora and Fauna* 16(1):14-16. 2010 with Manoj Kumar
29. The Prevalence of Anemia in Rural Women of Kaushambi, UP. *Bioved*, 21(1&2): 25-29. 2010. with Tripathi, Ajai.
30. Pandey, DK, **Ramesh Chandra** and Ajay Tripathi, 2012. Oxidative hemolysis in stress induced rat erythrocytes, *Bioved* 23 (1): 7-11.
31. Manoj Kumar and **Ramesh Chandra**, 2012. Efficiency of *Endaphis aphidimyza* (Cecidomyiidae: Diptera) against aphids on growth attributes and yields of Safflower crop, *Journal of Biological Control* 26 (2):161-164.

32. Ritu Mishra, Ashok Tiwari, Sushma Singh and **R. C. Tripathi** 2012. Phormacognostical Studies of the fruit and root of *Ficus racemosa*, *Life Science Bulletin* 9(1): 156-160.
33. Lawkush Kumar Brahman and **Ramesh Chandra Tripathi**, 2013. Knowledge, Attitude and practice about mosquito borne diseases and its control in Chitrakoot. *Journal of Kalash Science* 1(2):33-36
34. **Ramesh Chandra**, Pallavi Dwivedi and Preeti Tripathi, 2013. A New Species of Genus *Dasineura* (Diptera: Cecidomyiidae) From Chitrakoot (UP), India. *Flora and Fauna* 19:335-339
35. Lawkush Kumar Brahman and **Ramesh Chandra**, 2014. A comparative study on Survival and growth of larvivorous fish, *Rosbora danicinius*, *Puntius ticto* and *Puntius conchoniuis* .*International Journal of Biological, Veterinary, Agricultural and Food Engineering*, 18 (2): 84-187.
36. Subhas Kumar Mishra, Ravendra Kumar Vishwakarma, Pushpendra Singh, Lavkush Kumar Brahman and **Ramesh Chandra**. 2014. Production of Bioethanol by batch fermentation of cereals waste. *Journal of Kalash Science* 2(2):35-40.
37. Lawkush Kumar Brahman and **Ramesh Chandra**, 2014. Assessment of larvivorous fish activity in river Paiswani in Chitrakoot . *Flora and Fauna* 20(2):262-268.
38. Lawkush Kumar Brahman and **Ramesh Chandra**, 2015. Biological Control of Vector of Communicable Disease in Chitrakoot, Satna (MP) using larvivorous fish, *Puntius conchoniuis* ,*International Journal of Current Research* 7(2):12635-12637.
39. Priyanka Tripathi, **Ramesh Chandra**, Pushpendra Singh Sujeet Kumar Singh, 2015. Cloning and expression of Invertase gene form Invertase producing Bacteria to non producing Bacteria, *International Journal of Advanced Research in Biotechnology* 3(1):1-5.
40. **Ramesh Chandra**, Niharika Singh, 2015. Molecular diversity analysis in Sugarcane by Miocrosatellites Application, *Gramodaya Research Journal* 1(1): 34-39.
41. **Ramesh Chandra** and Subhash Kumar Mishra, 2015. Production of Bioethanol from Barley (*Hordeum vulgare*) using Yeast, *Saccharomyces cerevisiae* in batch fermentation, *International Journal of Current Research* 7(7):12296-12298.
42. Sanjay Kumar Tripathi and **Ramesh Chandra**, 2015. Incubation period of *Endaphis aphidimyza* (Cecidomyiidae: Diptera) in Chitrakoot, India. *International Journal of Environmental Sciences* 4(7): 35-38.

43. Lavkush Kumar Brahman , **Ramesh Chandra** and HN Khare, 2015, Importance of the Traditional Tribal Medicine for Mosquito Borne Diseases *International Journal of Current Research* 7(9):19921-19923.
44. **Ramesh Chandra** and Abhishek Kumar Mishra, 2015. Manufacturing and Quality Control of *Mentha piperita* candy, *Gramodaya Research Journal* 2(1): 27-29
45. Archana Chauhan, **RC Tripathi** and Ram Chandra Ahirwar. 2015. Study on Physico-chemical parameters and Aquatic Plants of Khop pond of Chhatarpur District (MP), India, *International Journal of Applied and Universal Research* :105-111. (ISSN: 2395-0269)
46. **Ramesh Chandra** and Saumya Tiwari. 2015. Estimation of DNA and Protein of Begoma virus infested Chilli Plant, *Flora and Fauna* 21(2):161-164
47. Priyanka Singh, Shivesh Pratap Singh and R.C. Tripathi. 2015. Preliminary Study on Zooplankton Diversity of two ponds of Satna City (MP), *Vindhya Research Journal* 1(3): 81-83.
48. Manoj Kumar and **Ramesh Chandra**, 2016. Taxonomic study of Cecidomyiid, *Endaphis aphidimyza* (Cecidomyiidae:Diptera) form Chitrakoot (MP) India. *Imperial Journal of Interdisciplinary Research* 2(3): 46-49.

Accepted:

1. Subhas Kumar Mishra, Ravendra Kumar Vishwakarma, and **Ramesh Chandra**. 2014. Effect of Yeast, *Saccharomyces cerevisiae* on production of Bioethanol by Batch fermentation of Cereals. *Bioved*

BOOK

Biosystematics and Taxonomy (2005)

BOOK CHAPTER

Prospects of Biological Control in Sustainable Development, Sustainable Development edited by R.C. Singh, 50-60, 2001

MONOGRAPH

PAPERS PRESENTED IN NATIONAL SEMINAR / CONFERENCE:

1. Biological control of Aphid of Safflower, published in National Conference of "Eco - friendly Approaches in the Management of Pests, Diseases and Industrial Effluents" organised by C.S.A. University of Agriculture and Technology, Kanpur. 1993.
2. Biology of *Mycodiplosis beliae* Chandra, published in National Symposium on Prospects and Problems of Biotechnology conducted by Bioved Research Society, Allahabad, 1993.
3. A new Pest of *E. officinalis*, published in National Symposium on Pest of Agricultural Importance and Their Management, organised by BRS, Allahabad, 1994.
4. Role of Insect in Environmental Management, published in National Seminar on Environmental Planning and Management in Indian context. organised by Institute of Environmental Science, MGCGV. Chitrakoot. 1994.
5. Low cost control of termites in Chitrakoot, published in National Symposium of Environment. organized by Dep't. of Zoology, Govt. PG College, Satna (M. P.) 1994.
6. Biological control of Coccids of Custard Apple in Andhra Pradesh, published in National Symposium on Ecotoxicological problems and their Management, organized by BRS Allahabad, 1995.
7. Transfer of Sericulture Technology to poverty stricken people in Chitrakoot, published in National Symposium on Prospects and Problems of Technology transfer and Rural reality, organized by BRS Allahabad, 1996.
8. Conservation of Bio - diversity through a new Agricultural practices, published in National Symposium on Conservation of Bio - diversity. organized by BRS Allahabad. 1997.

9. Management of Bio - diversity by Biological Control published in National Symposium on Bio - diversity organized by Govt. Auto. Science College. Satna (M.P.) 1997.
10. Efficiency of Cecidomyiids as a Bio - control agent, published in Symposium on Integrated Pest Management for sustainable crop production, organized by Division of Entomology, Indian Agricultural Research Institute New Delhi, 1997.
11. Role of Zoophagous Cecidomyiids in Eco – development, published in National Seminar on Natural Resources, their Management and conservation, organized by Janta College Bekewar, Etawah, 1998.
12. Prospects of Biological Control in Sustainable Development , published, in Visioning of Sustainable Development, organized by Extension Directorate M.G.C.G.V. Chitrakoot, 1999.
13. Role of Vermi compost as a fertilizer in vegetable crops, published in Indian Agricultural Scientists and Farmers Congress, organized by BRS Allahabad, 1999.
14. Studies on egg laying behaviour of Cecidomyiids, published in National Symposium on Reproduction and Comparative Endocrinology, organised by Karnataka University, Dharwad, 1999.
15. Effect of some weed extract on the population of caterpillars, published in second Indian Agricultural Scientists and Farmers Congress , organised by BRS, Allahabad, 2000.
16. Assessment of certain plant extract against *Heliothis armigera*, published in First National conference on Recent trends in life management, organised by B.B.P.G. College Jhansi, 2000.
17. Conservation of Medicinal Plants in forest area of Vindhyan region, published in National Symposium on problems and Prospects of Environment in the new millennium, organised by Mangalore University, Karnataka 2000.
18. Role of Biological control in Biodiversity Management, published in National Symposium on Biodiversity Management, organised by society for the protection of Environment and sustainable development BHU, 2003.
19. Characterisation of Mosquito's larval habitats using Remote Sensing and Geographic Information System, published in Indian Agricultural Scientists and Farmer's Congress, organized by B.R.S. Allahabad, 2003.

20. Exploration of Medicinal plants with respect to infestation of insect pests in and around Chitrakoot, published in 6th Indian Agricultural Scientists and Farmer's Congress, organized by B.R.S. Allahabad, 2004.
21. Infestation of Insect Pests on Medicinal Plants in and around Chitrakoot , published in National Symposium on Biodiversity : Current Status and Prospectus, organised by Pt. Ravishankar Shukla University , Raipur, 2005
22. Biological control of Aphids in oil - crop ecosystem published in 8th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research and Communication Centre, Allahabad and Banaras Hindu University, Varanasi, 2006.
23. Increased cranial capacity over the course of evolution increased the expertise published in National Symposium on Recent Advances in Neurobiology, organized by Department of Zoology, University of Allahabad, 2006.
24. Faunal Diversity of gall midges of Oriental Region, published in National Seminar on Environmental Scenario: Challenges and Solutions, organized by APS University, Rewa, MP. 2006.
25. A comparative Efficiency of predators of aphids, published in 9th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research and Communication Centre, Allahabad, 2007
26. Pest Status of medicinal plants of Chitrakoot region, Published in National Seminar on state of Art in cultivation, collection, storage, processing and marketing of herbal, Medicinal and Aromatic plants organized by M.G.C.G.V., Chitrakoot, Satna (MP), 2008
27. Distribution pattern of *Endaphis aphidimyza* Shivpuje and Raodev published in 10th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research and Communication Centre, Allahabad and M.G.C.G.V., Chitrakoot, Satna (MP) 2008
28. Effect of Insecticides in the population of Endoparasitoid Cecidomyiids published in 11th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research Institute of Agriculture and Technology. Allahabad and Ishwar Sharan Degree College , Allahabad, 2009.
29. Population Dynamics of *Endaphis aphidimyza* (Cecidomyiidae : Diptera) of Safflower aphid in Chitrakoot, Satna (M.P.) India, published in 2nd Bhartiya Vigyan

- Sammelan, orgnaized by Devi Ahilya Bai Univeristy, Indore, 2009 with Manoj Kumar
30. Efficiency of *Puntius ticto* in Biological Control of Mosquito's Larvae in Chitrakoot, Satna (M.P.), published in International Conference on Recent trends in Life Sciences vis- a- vis Natural Resources Management, Sustainable Development and Human Welfare, organized by Vinoba Bhave University, Hazaribag, Jharkhand, 2009.
 31. Pre conference Seminar of the 11th International Conference on Public Communication of Science and Technology organized by MPCST, Bhopal, 2010.
 32. Effect of Endoparasitoid Cecidomyiids as a biocontrol agent of *Uroleucon gobonis* (Mat.) on the growth and yield of safflower crop, published in National seminar on Climate changes and its impact on biological communities (CCIBC), organized by Dr. R.M.L. Avadh University FAIZABAD, U.P., 2011 with Manoj Kumar.
 33. Efficiency of *Endaphis aphidimyza* (Cecidomyiidae: Diptera) against Aphids on Growth Attributes and Yields of Safflower Crop, published in National Symposium on Harnessing Biodiversity for biological control of Crop pests organized by Society for Biocontrol Advancement, 2011 with Manoj Kumar.
 34. Biological control of Vector of Communicable disease in Chitrakoot Satna (MP) using larvivorous fish *Punctius conchonus* presented in International Conference on Managing Sustainable Development of Rural Economy and Agri Business organized by Banaras Hindu University, 2011
 35. Chemistry in our Lives presented in National Seminar on Acharya Prafull Chandra Ray and Chemistry today, 2011.
 36. Effect of Endoparasitoid cecidomyiids as a biocontrol agent of *Uroleucon gobonis* published in 98th Indian Science Congress, 2011.
 37. Climate Change: Impact on Biodiversity presented in Workshop on Challenges of Climate Change: A Response of Gramodaya, 2011.
 38. Efficiency of *Endaphis aphidimyza* against aphids on growth attributes and yield of safflower crop published in National Symposium on Harnessing Biodiversity for Biological Control of crop pest organized by National Bureau of Agriculturally Important Insects and Society for Biocontrol Advancement, Bangalore, 2011.
 39. Effect of *Endoparasitoid cecidomyiids* as a biocontrol agent of *Uroleucon gobonis* growth and yield of safflower crop published in National Seminar on Climate Change

- and its impact on biological communities organized by Dr. Ram Manohar Lohia Avadh University Faizabad and Indian Academy of Environmental Sciences, Haridwar, 2011.
40. Effective suppression of aphids by cecidomyiid, *Endaphis aphidimyza* on safflower crop presented in 14th Indian Agriculture Scientists and Farmers Congress organized by Bioved Research Institute of Agriculture and Technology, Allahabad.
 - 41.
 42. Diversity of Microbial pathogens of Public Health Significance in River Ganga & Yamuna at Allahabad: A Preliminary analysis presented in 15th Indian Agricultural Scientists and Farmer's Congress on Agriculture and Global Climate Change, organized by Bioved Research Institute of Agriculture and Technology, Allahabad, Feb. 22-24, 2013 with Mitali Dhiman, S.S. Mishra and B.K.Dwivedi
 43. Assessment of effect of Environmental factors on the sex ratio of *Endaphis aphidimyza* by regression method presented in National Seminar and Training on Recent Development in Statistics and their application, March 2-3, 2014 with Sanjay Tripathi
 44. Improvement of Higher Education in India, presented in National Seminar on Emerging Challenges In Academic Leadership in Higher Education, organized by M.G.C.G.V., Chitrakoot, Satna (MP), 2014.
 45. Digital Dissection in Zoology Practical: An alternative approach for live Dissection, presented in National Seminar Skill Education for employment in Digital India, organized by M.G.C.G.V., Chitrakoot, Feb. 14-15, 2015
 46. Prevalence of mango midge and its control in different mango growing areas of MP presented in National workshop on Dissemination and improvement of Existing Scientific skills in Rural areas organized by M.G.C.G.V., Chitrakoot, March 14-15, 2015

NATIONAL SEMINAR / WORKSHOP ORGANISED

1. National Workshop on Ecotechnology Park Design for Sustained Economic Rural Development in Madhya Pradesh, 24-25 March 2003
2. Seminar of Expert Committee of Advisory Committee of Dictionary of Zoology, 2000
3. National Seminar on Acharya Prafull Chandra Ray and Chemistry today 28 February to 1 March, 2011.
4. Regional Workshop on Suitability of Soils for Growing Crops Activities: Chemistry for Farmers, March, 13, 2011.
5. Regional Workshop on White LEDs, 16-17, March, 2011.
6. Regional Workshop on testing of Adulteration in Food items/ Activities: Chemistry for house wives, March 27, 2011.
7. Regional Workshop on demonstration of the versatility of Chemistry for Students, 28 March, 2011.
8. Two day's Workshop on Challenges of Climate Change: A Response of Gramodaya, March 30-31, 2011
9. National Workshop on Popularization of Science Communication and Educational Programme in Bundelkhand Region. June 18, 2011.
10. National Seminar on Clean Energy for Environment Improvement of Rural Kitchen, March 29, 2012
11. National seminar on Conservation and Management of Indian River with special reference to Mandakini river, organized by MGCGV, March 30-31, 2012
12. National Seminar on Environmental Risk and Transgenic Plants, February 28, 2013
13. National Seminar and Training on Mathematical Modeling, March 2-3, 2013
14. National Workshop on Prospects of Virtual Biological lab, organized by MGCGV, Feb 21-22, 2014.
15. National Seminar on Emerging Challenges in Academic Leadership in Higher Education, M.G.C.G.V., Chitrakoot, 20-21 Sept, 2014
16. National Workshop on Dissemination and Improvement of Existing Scientific Skills in rural Areas, Financially supported by MPCST, Bhopal and Bundelkhand Extended Region Chapter, NASI, Allahabad- March 13-14, 2015.
17. National workshop on Advances in Research using R-software? Metlab, organized by M.G.C.G.V., Chitrakoot and Vijnan Bharti, March 27-28, 2015
18. National Seminar on Increasing Social and religious conflicts and their solutions- Role of Universities organized by MGCGV, June 3, 2015

THESIS SUPERVISED

Ph. D. - 04 (Awarded) 07 (Registered)

M. Phil. – 07

M.Sc. Biotechnology- 10

M.Sc. Zoology- 09

M.Sc. Biochemistry- 04

PARTICIPATION IN SPECIAL TRAININGS / COURSES

S. No.	Course	Duration	Organized by
1.	Training programe on Intellectual Property Right	May 13-14, 2010	TIFAC, DST, New Delhi
2.	Training need assessment for Natural Resource Management	28.10.2002 to 2.11.2002	National Institute of Rural Development, Hyderabad
3.	GIS Training on Arc.View,Network Analyst, Spatial Analyst, 3D Analyst	14.1.02 to 18.1.02	ESRI India, New Delhi
4.	GIS Training on Introduction to Arc. GIS	28.1.02 to 01.2.02	ESRI India, New Delhi
5.	Biological control of Crop pests	14.5.01 to 12.7.01	Project Directorate of Biological Control, Bangalore
6.	GIS: Technology and Application	01.1.01 to 02.3.01	Indian Institute of Remote Sensing, Dehradun
7.	Teachers Training Programme in Entrepreneurship Development	30.7.98 to 19.8.98	CEDMAP Satna and D.S.T. New Delhi.
8.	Refresher Course in Environmental Science	11.1.99 to 31.1. 99	IEMPS. Vikram University, Ujjain.
9.	Refresher Course in Recent Trends in Zoology	2.12.2003 to 22.12.2003	B. H. U. , Varanasi
10.	Refresher Course in Zoology: Molecular Approaches	8.11.2005 to 28.11.2005	University of Allahabad, Allahabad
11	Orientation Programme	04.7. 94 to 31.7. 94	Rani Durgawati Vishwavidyalaya, Jabalpur.

NATIONAL & INTERNATIONAL SEMINARS / CONFERENCES ATTENDED

1. International Seminar on the Importance of gall forming insects in Agriculture and Medicine, organized by Cecidological Society of India. Allahabad.1984
2. International Symposium on Dynamics of Insect plant Interaction Recent advances and Future Trends, organized by Institute of Entomology, Madras. 1988.
3. DST - PAC group monitoring workshop in Animal Behaviour Ecology and Evolution, organized by NEHU. Shillong. 1988.
4. National workshop on Watershed Management : Development of Wasteland on Watershed Basis, conducted by Indian Institute of Forest Management Bhopal, 1992.
5. National symposium on Prospects & Problems of Biotechnology, conducted by Bioved Research Society, Allahabad, 1993.
6. National Conference on " Eco - friendly Approaches in the Management of Pests, Diseases and Industrial Effluents" organized by CSA University of Agriculture and Technology, Kanpur, 1993.
7. National Symposium on pest of Agricultural Importance and Their Management, organized by BRS. Allahabad, 1994.
8. National Seminar on Environmental Planning and Management in Indian context, organized by Institute of Environmental Science, M.G.C.G.V. Chitrakoot, 1994.
9. National Symposium of Environment, organized by Department of Zoology, Govt. PG College, Satna (M.P.), 1994.
10. National Symposium on Ecotoxicological problems and their Management, organized by BRS, Allahabad, 1995.
11. National Symposium on Prospects and Problems of Technology transfer and Rural reality, organized by BRS, Allahabad, 1996.
12. National Symposium on Conservation of Bio - diversity., organized by BRS, Allahabad, 1997
13. National Seminar on Natural Resources and their Management and Conservation, organized by Janta College , Bakewar, Etawah, 1998.
14. Visioning of Sustainable Development, organised by Extension Directorate, M.G.C.G.V. Chitrakoot, 1999
15. Science and Technology Regional Mission Identification in M.P., organised by . M.G.C.G.V., Chitrakoot, 2000.
16. Second Indian Agricultural Scientists and Farmers Congress, organised by Bioved Research Society Allahabad , 2000.

17. 6th INQAAHE Conference, organised by National Assessment and Accreditation Council (NAAC), Banglore, 2001
18. 17th M.P. Young Scientist Congress, organized by MGCGV, Chitrakoot, 2002
19. Vigyan Ke Badhte Kadam, organised by Scientific & Technical Terminology Commission, New Delhi in Lucknow University Lucknow, 2002.
20. Fifth Indian Agricultural Scientists and Farmers Congress, organised by Bioved Research Society Allahabad , 2003 .
21. National workshop on ecotechnology Park design for Sustained Economic Rural Development in Madhya Pradesh, organized by MGCGV, Chitrakoot, 2003.
22. National Workshop on Krishi Vigyan avam proudyogiki ken aye Ayam, organized by Vigyan Parisad Chitrakoot and MGCGV, Chitrakoot, 2003.
23. National Seminar on Spiritual Model of India's Development, organized by MGCGV, Chitrakoot, 2004.
24. National Technology Day, ""Technology adoption to achieve Self- Reliance in India"" organized by DRI, Chitrakoot, 2004.
25. Seminar on Recent Trends in Life Science, organized by National Academy of Science, India and Govt. P.G.College, Satna, 2004
26. National Symposium on Biodiversity: Current Status and Prospectus, organised by Pt. Ravishankar Shukla University , Raipur, 2005
27. 8th Indian Agricultural Scientists and Farmer's Congress organized by Bioved Research and Communication Centre, Allahabad and Banaras Hindu University, Varanasi, 2006
28. National Symposium on Recent Advances in Neurobiology, organized by Dept. of Zoology, University of Allahabad, 2006
29. National Seminar on Environmental Scenario: Challenges and Solutions, organised by APS University, Rewa, MP, 2006
30. 9th Indian Agricultural Scientists and Farmer's Congress organized by Bioved Research and Communication Centre, Allahabad , 2007

31. National Seminar on state of Art in cultivation, collection, storage, processing and marketing of herbal, Medicinal and Aromatic plants organized by M.G.C.G.V., Chitrakoot, Satna (MP), 2008
32. 10th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research and Communication Centre, Allahabad and M.G.C.G.V., Chitrakoot, Satna (MP) 2008
33. National Symposium on Sustainable Management of Potable Water, organized by The Institute of Applied Sciences, Allahabad, 2008.
34. 11th Indian Agricultural Scientists and Farmer's Congress, organized by Bioved Research Institute of Agriculture and Technology. Allahabad and Ishwar Sharan Degree College , Allahabad, 2009.
35. International Conference on Recent Trends in Life Sciences vis- a- vis Natural Resources Management, Sustainable Development and Human Welfare, organized by Vinoba Bhave University, Hazaribag, Jharkhand 2009.
36. National Workshop **^lax.kd foKku dh rduhdh 'kCnkoyh dk fgUnh esa lUnHkZ ,oa iz;ksx**]** organized by Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalya, Chitrakoot, Satna (MP), 2010.
37. Pre conference Seminar of the 11th International Conference on Public Communication of Science and Technology organized by MPCST, Bhopal, 2010.
38. International Conference on Managing Sustainable Development of Rural Economy and Agri Business organized by Banaras Hindu University, 2011
39. 14th Indian Agriculture Scientist and Farmers Congress organized by Bioved Research Institute of Agriculture and Technology, Allahabad, February 18-19, 2012.
40. Rashtriya vaigyanik Sangoshthi- Nabhikiya Prouthogiki and Rasayan Vigyan ke jan hit anuprayog, organized by BARC Mumbai and MGCGV, February 2-3, 2012
41. Training workshop of Agropeidia NAP Project, MGCGV, November 4, 2011
42. 15th Indian Agricultural Scientists and Farmer's Congress on Agriculture and Global Climate Change, organized by Bioved Research Institute of Agriculture and Technology, Allahabad, Feb. 22-24, 2013

43. National Seminar and Training on Recent Development in Statistics and their application, March 2-3, 2014.
44. National workshop on Prospects of Virtual Biological lab, organized by M.G.C.G.V., Chitrakoot, Satna (MP), Feb.21-22, 2014.
45. National Seminar on Emerging Challenges In Academic Leadership in Higher Education, organized by M.G.C.G.V., Chitrakoot, Satna (MP), Sep. 20-21, 2014.
46. National Seminar on Emerging Challenges in Academic Leadership in Higher Education, organized by M.G.C.G.V., Chitrakoot, Satna (MP), 20-21 Sept, 2014.
47. National Seminar on Skill Education for employment in Digital India, organized by M.G.C.G.V., Chitrakoot, Satna (MP), Feb. 14-15, 2015.
48. National Seminar Climate Change and Human Health, organized by Maharaja PG College Chhatarpur, MP, Feb. 22-23, 2015.
49. National Workshop on Dissemination and Improvement of Existing Scientific Skills in Rural areas organized by M.G.C.G.V., Chitrakoot, Satna (MP), March 14-15, 2015.
50. National workshop on Advances in Research using R-software? Metlab, organized by M.G.C.G.V., Chitrakoot and Vijnan Bharti, March 27-28, 2015.
51. National Conference on Dynamics of Smart Horticulture for Livelihood and Rural Development, organized by ASM Foundation, MGCGV, CHAI , JIS, May 28-31, 2015.
52. National Seminar on Increasing Social & Religious conflicts and their solutions- Role of Universities, organized by M.G.C.G.V., Chitrakoot and FANS, June 03, 2015.

EXTENSION WORK

1. Organized ' Krishak Goshti' number of times in 18 villages of SADA Chitrakoot (M.P.) 1991 to 1993. During goshti the insect pests of crops, trees and animals with their natural predators and parasites were demonstrated and discussed many other problems regarding plant protection, soil testing and quantity of fertilizers to be used, safe storage of foodgrains etc.

2. Organized Krishak Goshthi in Gramoday Mela from 09.5. 92 to 16. 5.92 at Chitrakoot.
3. Organized Teacher's Orientation Programme for Primary Teacher's in Chitrakoot during 1991 to 1992.
4. Surveyed 18 Villages of SADA Chitrakoot (M.P.) for the plant protection in 1991 to 1992.
5. Participated in 120 Kms ' Pad Yatra' organized by Extension Directorate, M.G.C.G.V Chitrakoot for the people awareness.
6. Worked as scientist for the commercial cultivation of medicinal and aromatic plants in Birsinghpur area, Satna (M.P.)
7. Organised Science Extension Lectures in MGCGV, Chitrakoot with National Academy of Sciences India, 2005-2006.
8. Actively participated in Kisan Adalat during 9th - 15th Indian Agricultural Scientists and Farmers Congress at Bioved Research Society, Allahabad 2008 to 2013.
10. Organised summer training Programme on Natural Resource Management and Water Testing Demonstration with National Academy of Sciences India, Allahabad in 2008.
11. Organized Popular Science Lectures in 2009-2013.
12. Organised Debate, Essay writing Competition, Quiz Competition and Model Development in 2009-2013.
13. Organised Quiz Competition, 2010-2013.

INVITED LECTURES DELIVERED

S.No.	Topic	Programme	Duration	Organized by
1	AIDS			Goswami Tulsidas Govt. P.G. College Bedipulia, Chitrakoot
1.	Characterisation of Mosquito's larval habitats using Remote Sensing and Geographic Information System	Seminar on Recent Trends in Life Science	2004	National Academy of Science, India and Govt. P.G.College,Satna
2.	Role of Forest based	Short Term	15.9.92 to	Institute of

	Industry in Rural Development	Training of Employees of Forests Deptt. For social forestry	29.9.92	Environmental Science M.G.C.G.V. Chitrakoot.
3.	Role of Forest based Industry in Rural Development	Short Term Training of Employees of Forests Deptt. For social forestry	16.3.92 to 30.3.92	Institute of Environmental Science M.G.C.G.V. Chitrakoot.
4.	Social Forestry and Rural Development	Short Term Training of Employees of Forests Deptt. For social forestry	12.2.92 to 26.2.92	Institute of Environmental Science M.G.C.G.V. Chitrakoot.
5.	Impact of changing ecosystems in wild life populations	Short Term Training of Employees of Forests Deptt. For social forestry	13.1.92 to 27.1.92	Institute of Environmental Science M.G.C.G.V. Chitrakoot.
6.	Forest Based Rural Industries	Short Term Training of Employees of Forests Deptt. For social forestry	16.12.91 to 30.12.91	Institute of Environmental Science M.G.C.G.V. Chitrakoot.