

## Personal Dossier



**Name:** Dr. Renu Maheshwari  
**Department:** Zoology  
**Designation:** Professor  
**Qualification:** M.Sc., (1984), Ph.D. (1999)  
**Specialization:** Ichthyology  
**Date of Joining:** Adhoc: 30.01.1986  
Regular: 22.06.1987  
**Date of Joining in present college:** 04.08.87  
**Professor Placement Year:** 2006  
**Teaching Experience:** UG: 32 years, PG: 31 years  
**Date of Placement:** Senior Scale: 22.06.1995  
Selection grade: 27.07.1998  
**Field of Interest:** Fish Biology, Avian Biology, Chronobiology & Photography  
**E-mail ID:** [prof.renumaheshwari@gmail.com](mailto:prof.renumaheshwari@gmail.com)  
**Aadhar No.** 827142340864

### **Refresher Course:**

1. Academic staff college, Devi Ahilya Vishwavidyalaya, Indore, from 30.03.1994 to 26.04.1994
2. Academic staff college, Dr. Harishankar Gour Vishwavidyalaya, Sagar, from 01.03.2000 to 19.03.2000(including Sunday's realizing 108 contact hrs).
3. Academic staff college, Dr. Harishankar Gour Vishwavidyalaya, Sagar, From 30.10.2000 to 19.11.2000

### **Orientation Course:**

Academic staff college, Rani Durgavati Vishwavidyalaya, Jabalpur, from 30.03.994 – 26.04.1994

### **Ph. D.**

**Topic:** An analysis of the air-gulping behavior of the cat fish, *Heteropneustes fossilis*, with reference to hormonal regulation.

**Year:** 1999. **University:** Pt. Ravishankar Shukla University, Raipur

**Symposium/Seminar/Conference & Workshop**  
**(1996-2014, June)**

<b>Sympo./Conf./Semi.</b>	<b>32</b>
<b>Workshop</b>	<b>05</b>
<b>Co-Convener</b>	<b>01</b>
<b>Organizing Sec.</b>	<b>01</b>
<b>Treasure</b>	<b>01</b>
<b>Resource Person</b>	<b>02</b>
<b>Invited Talk</b>	<b>01</b>
<b>Chairperson</b>	<b>01</b>
<b>Paper/Oral Presentation</b>	<b>06</b>
<b>Poster Presentation</b>	<b>02</b>
<b>Research/Symposium papers</b>	<b>13</b>
<b>Guest Speaker other than Conf.</b>	<b>02</b>
<b>Member for different bodies</b>	<b>08</b>
<b>Achievements</b>	<b>01</b>
<b>Best Practice</b>	<b>01</b>

**Symposium/Seminar/Conference Participation**  
**Abstracts Published, Paper Presentation/Poster Presentation & Serve as Resource**  
**Person/Chairperson/Member of Advisory Committee/Organizing**  
**Secretary/Treasurer:**

**1996-1997**

1. *National Symposium Choronobiol.*, AIMMS, November 25-26, 1996. New Delhi.
  - **Abstract & Paper presentation:** Temporal organization of surfacing behavior in air-breathing catfishes *C. batrachus* and *H. fossilis*.
2. *National Symposium on Animal Behaviour*. December 28-30, 1996. School of Life Sciences, Pt. R.S.U. Raipur.
3. *National Symposium on Physiology and Endocrinology*, January 27-28, 1997. Govt. D.B.G. College, Raipur.
  - **Abstract & Paper presentation:** Effects of hormones on air-gulping behavior in *Heteropneustes fossilis*.

**1999**

4. *National Symposium on Recent advances in Pineal research*. Department of Zoology, Govt. College of Science, Raipur. 5-7, February, 1999. **Organizing Secretary**
  - **Abstract:** Diurnalism-nocturnalism oscillation in catfish.

**2004**

5. *XVII International Symposium on Biospeleology*. Pt. Ravishankar Shukla University, Raipur, India. 25-30 November, 2004.

**2006-2007**

6. *National Seminar on "Perspectives of Positive Physiology*, Govt. D.B. Girls P.G. College, Raipur. May, 1<sup>st</sup> & 2<sup>nd</sup> 2006. **Abstract & Paper presentation:** Psychic\physiology of Yoga: Correspond to endocrine glands.
7. *Biotechnology in Future Medicine, Centre for Genetic Disease and Molecular Biology*, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 26<sup>th</sup>- 31<sup>st</sup> July, 2006.
8. *National Symposium on Current trends in Pineal Research and 4<sup>th</sup> IPSG Meeting*. Govt. D.B. Girls P.G. College, Raipur. 05-07 October, 2006. **Abstract:** Yoga and Pineal Gland.
9. *"Stem Cells – In Future Medicine"* Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25<sup>th</sup> July, 2007.

## 2008-2009

10. ***“Trends in Regenerative & Molecular Medicine.”*** Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2008.
11. ***“National Seminar on Medicinal value of Drugs Extracted from Plants of Chhattisgarh Forests”*** Department of Chemistry & Biochemistry, Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 17<sup>th</sup>-18<sup>th</sup> October, 2008.
12. **XX National Symposium on Chronobiology.** School of Life Sciences, Pt. Ravishankar Shukla University, Raipur. 27-29 December, 2008.
13. ***National Seminar on Human Genomic and Cultural Diversity***, School of Studies in Anthropology, Pt. Ravishankar Shukla University, Raipur. 2-4 March, 2009
14. ***“Trends in Genetic & Personalized Medicine”***. Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2009.
15. ***“National Conference on Emergence of Modern Biotechnology and its Application”*** Dept. of Microbiology and Biotechnology, St. Thomas College, Bilai. 10<sup>th</sup> & 11<sup>th</sup> December, 2009

## 2010-2011

16. ***National conference on role of women in sports.*** Department of Physical Education, Govt. D.B. Girls P.G. College, Raipur. 29th-30<sup>th</sup> January, 2010.
17. ***4<sup>th</sup> International Congress on Sickle Cell Disease in Developing Societies.*** Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). November 22<sup>nd</sup> to 27<sup>th</sup> 2010. **Abstract & Poster presentation:** Antisickling activities of extracts from two plants, *Carica papaya* and *Canjun* with a brief review on the potential of medicinal plant extracts in the management of sickle cell disease.
18. ***National Seminar “Challenges of Physical Education and Sports”*** Dept. Of Physical Education & Sports, Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 21<sup>st</sup> & 22<sup>nd</sup> January, 2011. **Abstract & Paper presentation:** Kundalini Yoga, A Scientific Exercise.
19. ***National Symposium on Cell Therapy.*** Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2011.
20. ***National Conference on Bioresource: Its implication, alteration and management for the welfare of living kingdom.*** Dept. of Biotechnology and Zoology, Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.), 11-12 October, 2011.

- **Abstracts & Oral Presentation:** Ichthyofaunal Diversity of Mahanadi River, District Dhamtari, Chhattisgarh:
- **Abs.:** *A Preliminary Study.* Limnological Study of Sheonath River from Durg to Rajnandgaon (C.G.) p 18-19.

21. **National Seminar on Recent trends in Plant and Microbial Sciences.** Dept. of Botany & Microbiology, Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.), 26-27 November, 2011.

### 2012-2013

22. **National Conference on importance of Medicinal plants in toxicology and reproductive endocrinology-A perspective.** Deptt. of Zoology, Bhilai Mahila Mahavidhyalaya. 20<sup>th</sup> to 21<sup>st</sup> January, 2012.

#### Abstracts:

- Regulatory Role of Pineal and Melatonin in modulating air-breathing activity Rhythm in Catfish.
- Medicinal Animals: Alternative of Medicinal Plants- A review.

23. **National Symposium on Zoological Sciences: Recent challenges & its application in Medical research.** Deptt. of Zoology, Guru Ghasidas Viswavidyalya (Central University), Bilaspur, February 3-4, 2012.

#### Abstracts:

- Ichthyofaunal Diversity of Perennial Body: River Mahanadi, Chhattisgarh, India. (**Invited lecture**)
- Changes in Erythrocyte count (RBCs) under two Photoperiodic Conditions in Indian catfish *Clarius batrachus* in Different Phases.
- Benthic Macroinvertebrate Diversity in River Sheonath from Durg to Rajnandgaon Between July to December 2011.
- Study of food chain contamination of heavy metals (Cadmium, Lead, Mercury, Iron) from biotic source of Sheonath river between Durg to Rajnandgaon (Chhattisgarh).

24. **“Cord Blood Banking.”** Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2012.

25. **National Conference on conservation of Biodiversity in India, Some Issues,** Department of Botany, Arts and Commerce Girls’ College, Devender Nagar, Raipur (C.G.). 16<sup>th</sup> & 17<sup>th</sup> October, 2012. **Abstract: Diversity of Fish Fauna. *Journal of Experimental Sciences, 2012, (3) 6:64.***

26. **National Seminar on “Globalization & Changing Role of Women”.** Department of Home Science, Arts and Commerce Girls’ College, Devendra Nagar, Raipur (C.G.). 20<sup>th</sup> & 21<sup>st</sup> November, 2012. **Abstract:** “Stress management in working women by Yoga. (**Resource Person & Chairperson in one session**)

27. **National Seminar on Physical Education, Women & Sports, Govt. Dr. W.W. Patankar Girls P.G. College, Raipur (C.G.), 24<sup>th</sup> & 25<sup>th</sup> January, 2013. Abstract & Oral Presentation, “Quality of Life improved by Yoga”.**
28. **International Conference on Molecular Pathology & 2<sup>nd</sup> Annual Conference MPAI. Pt. J.N. Medical college, Raipur (C.G.), India. 9<sup>th</sup> & 10<sup>th</sup> February, 2013.**
29. **Symposium on Biosafety, Genetically Modified Crops (GM Crops) and Public Awareness. Govt. Of Chhattisgarh, Department of Information Technology & Biotechnology, CHIPS. 18<sup>th</sup> & 19<sup>th</sup> March, 2013.**
30. **“Role of Bioinformatics in Medicine” Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N. Medical College, Raipur (C.G.). 25th July, 2013**
31. **International Conference on Comparative Endocrinology and Physiology. Suraburdi Meadows, Nagpur, Maharashtra, India. 21-23 October, 2013.**
- **Abstracts Published & Poster presentation:**
  - A Review: Endocrine Systems regulates by Kundalini Yoga.
  - Effect of LL and DD on vertebral column in an Indian Fresh Water, Catfish, *Clarias batrachus*.
32. **National Seminar on “Library Initiatives in Digital Era” Jointly organized by Pt. Sundarlal Sharma Library, Pt. Ravishankar Shukla University, Raipur & Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 26<sup>th</sup>-27<sup>th</sup> October 2013.**

### **Workshops Participation/Conducted & As a Resource Person (2010-2013):**

1. **The workshop on Molecular Biology, (X-Pert Teaching Kits). HiMedia Laboratories Pvt. Ltd. Deptt. of Zoology and Biotechnology, Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 15- 17 April, 2010.**
2. **Hands on workshop on DNA Technologies, (X-Pert Teaching Kits). HiMedia Laboratories Pvt. Ltd. Dept of Botany, Microbiology and Biotechnology, Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 24<sup>th</sup> to 27<sup>th</sup> August, 2011.**
3. **National workshop on “Application of Mathematics in Different Fields of Science” Dept of Maths, Govt. Nagarjuna P.G. College of Science, Raipur (C.G.). 12<sup>th</sup> to 14<sup>th</sup> October, 2012. Abstract: Statistical analysis in Biological Researches.**
4. **National Workshop on “HANDS ON DNA TECHNOLOGY”. Department of Botany, Govt. N.P.G. College of Science, Raipur, (C.G.). 08<sup>th</sup> -11<sup>th</sup> January, 2013.**
5. **A Hands on workshop on Instrumentation and Biotechniques. Department of Zoology. Govt. D.B.G. College, Raipur, (C.G.) 9 – 14 September, 2013. Biostatistics Techniques and Fish Identification. (Resource Person)**

## Research Papers

1. Pati AK. **Maheshwari R** and Gupta S (1998). Opercular activity and temporal organization of surfacing behavior in Indian catfishes, *Clarias batrachus* and *Heteropneustes fossilis*. *Biol Rhythm Res.* 29, 75-85.
2. Pati AK. Gupta S and **Maheshwari R** (1998). Optoelectronic device, an useful tool to record surfacing behavior in air-breathing fishes. *Curr. Sci.* 74, 146-149.
3. Pati AK. and **Maheshwari R** (1999). Annual variation in air-gulping behavior in two Indian siluroids, *Heteropneustes fossilis* and *Clarias batrachus*. *Indian J. Anim. Sci.* 69, 66-72.
4. Pati AK and **Maheshwari R** (1999). National Symposium on Recent Advances in Pineal Research: A report. *Biol Rhythm Res.* 31, 117-119.
5. Shedpure M., Jain N. and **Maheshwari R** .(2012) Effect of magnetic field exposure under different photoperiod on hepatosomatic index (HSI) and histology of liver in an Indian catfish, *Clarias batrachus*. *National Journal of Life Sciences*, Vol. 9(1), 2012, 77-82.
6. **Maheshwari R**, Jogi, S.and Shedpure M (2012). Identification of fishes of Mahanadi River, Dhamtari District, Chhattisgarh: A prilimnary study of 14 fish species. *Int. Res. J. Lab to Land*, Vol. 4 (13), 2012, 4=7.

## Symposium Papers

1. **Maheshwari, R** and Gupta S (1996). Temporal organization of surfacing behavior in air-breathing catfishes *C. batrachus* and *H. fossilis*. *National Symposium Chronobiol.*, AIMMS, November 25-26. New Delhi.
2. **Maheshwari, R** (1996). Influence of epinephrine on air-gulping behavior in Indian catfish *Heteropneustes fossilis*. *National Symposium on Animal Behaviour*, December 28-30. School of Life Sciences, Pt. R.S.U. Raipur.
3. **Maheshwari, R** (1997). Effects of hormones on air-gulping behavior in *Heteropneustes fossilis*. *National Symposium on Physiology and Endocrinology*, January 27-28. Govt. D.B.G. College, Raipur.
4. **Maheshwari, R** (1997). Triiodothyronine and air-gulping behavior. *MAPCOST Young Scientist Meet*, Guru Ghasidas University, Febuary 28- March 2. Bilaspur.
5. **Maheshwari, R** (1998). Multifrequency rhythm in air-gulping behavior of Indian catfish. *Pooc. Nat. Sci. Day*, Febuary, 28. Pt. Ravishankar Shukla University.

6. **Maheshwari R** and Pati AK. (2000). Do metabolic hormones modulate air-gulping behavior in *Heteropneustes fossilis*? In “Choronophysiology” (M. Shedpure, ed.), pp. 149-174. Pt. RSU, Raipur.
7. Harris K.K#, Varsha Singh, Maya Shedpure and **Renu Maheshwari** (2010). Body mass index (BMI) as a marker of obesity in sporting girls Vis-à-vis their non sporting counterparts of Raipur district: A comparative study. **National conference on role of women in sports**. Department of Physical education, Govt. D.B. Girls P.G. College, Raipur. 29<sup>th</sup>-30<sup>th</sup> January, 2010.

### Guest Lectures

1. ‘**Science and Yoga**’ on the occasion of Teacher’s Day (lecture Series), Govt. P.G. Chhattisgarh College, Raipur. 07.09.2012
2. **Stress Physiology: stress Management and Yoga**. Govt. D. B. P.G. Girls’ College, Raipur. 09.02.2013

### Young Scientists Congress

1. **Co-convenor** of Young Scientists Congress, Govt. N.P.G. College of Science, Raipur, (C.G.). 28<sup>th</sup> Feb. -01<sup>th</sup> March, 2013.

### Curriculum Preparation as a member of Board of studies / Subject expert/ Course Coordinator/ Member of Governing body/Member of Editorial Board:

1. as a member of **board of study**,
2. as a **subject expert member** for affiliation of Zoology subject at UG & PG level for different college of Chhattisgarh
3. as an Examination committee member for Pt. RSU, Raipur by vice- Chancellor Pt. Ravishankar Shukla University Raipur.
4. As a **Coordinator for the Refresher Course in Zoology, organized** by Dept. of Human Resource Development Centre, Pt. R.S. University Raipur, was held from 20 August to 09 September, 2015. (3 Weeks).
5. Serve as **Governing Body member** for Gurukul Girls’ College, Raipur  
**Editorial Board Member** of an International **Research Journal**, LAB TO LAND, ISSN NO. 0975-282X.

### Sponsored Gold Medal

1. Gold Medal sponsored for M.Sc. Student in the Memory of **Late Dr. S.H. Vajre, ex H.O.D., Department of Zoology, Govt. N.P.G. College of Science, Raipur**, for that student who scored highest marks in the subject.



## **Linkage**

1. Life membership of Indian Endocrinology Society.
2. Life membership of ZSC. **As a Treasurer**
3. Life membership of International Journal LAB TO LAND, ISSN No. 0975-282X

## **Achievements**

1. Lions Club International District, 323-C, Lions Club Raipur Friends, Presented for **Excellence in Teaching**, On 5<sup>th</sup> September, 2013.

## Personal Dossier from July 2014 to June 2018

### Symposium/Seminar/Conference Participation Abstracts Published, Paper Presentation/Poster Presentation & Serve as Resource Person/Chairperson/Member of Advisory Committee/Organizing Secretary/Treasurer

July, 2014-June, 2015

1. Symposium on “*Digital Medicine*”, Dept. of Biochemistry.Pt. J.N.M. College Raipur. 25<sup>th</sup> July, 2014.
2. *International Colloquium* on Endocrinology and Physiology. Dept. of Zoology, Govt. D.B.G.P.G. Autonomous College, Raipur, (C.G.), 29 – 30 September, 2014.

#### **Abstracts & Poster Presentation:**

- Evaluation of Sodium Arsenite (Na<sub>3</sub>AsO<sub>3</sub>) induced oxidative stress, Genotoxicity and its recovery by *Ocimum gratissimum L.* in *Oryctolagus cuniculus L.*
  - Avifaunal diversity of Katghora, District Korba, Chhattisgarh: A Preliminary Study.
  - Effect of vanadate on certain blood parameters of alloxan induced diabetic Rabbits.
  - Effect of LL and DD on packed cell volume in an Indian Freshwater catfish *Clarias batrachus*.
3. *National Conference on Prospects of Life Sciences for Human Welfare with Special Reference to Chhattisgarh. Jointly organized by Zoological Society of Chhattisgarh and Dept. of Zoology, V.Y.T. P.G. Autonomous College, Durg 7-8 February, 2015.*
    - **Abstract & Oral Presentation:** "*International Journal Of Pharmacology and Biological Sciences,*" 2015, Volume: 9, No. 1&2. ISSN 0973-6808. Study on Avianfauna special reference to Passiformes from Deobhog, District Gariaband, Chhattisgarh.

### Workshops Participation/Conducted & As a Resource Person

July, 2014-June, 2015

**Rusa Sponsored: organized by Govt. N.P.G. College of Science, Raipur.**

1. “Quality education” 23<sup>rd</sup> June, 2015. as **Co-convener & Prepare a Questioner.**
2. “Governance, Leadership & Management”. 24<sup>th</sup> June, 2015.
3. “Examination Reforms”. 25<sup>th</sup> June, 2015.
4. “Strategies development and deployment to achieve access, equity and excellence in higher system”. 26<sup>th</sup> June, 2015.
5. “Carrier Guidance” . 27<sup>th</sup> June, 2015.

## Research Paper

1. Gupta S., Maheshwari R. and Ramtaka A. (2015). Assessment of Chronotype, Body Mass Index and its Relation with Peak Expiratory Flow Rate. International Journal Of Pharmacology and Biological Sciences, Volume: 9, No. 1&2. ISSN 0973-6808.

## Guest Lectures: July, 2014-June, 2015

1. **Personality Development: YOGA, regulates the endocrine system.** Govt. College Kurud. 26.09.2014
2. **Yoga and Science.** On the occasion of National Science Day. Arts and Commerce Girls' College, Devendra Nagar, Raipur. 25.02.2015
3. **"Identification of fish"** Department of Zoology, Govt. D.B. Girls P.G. College, Raipur, (C.G.), 08 April 2015.

## Members for different bodies: July, 2014-June, 2015

1. Kalyan College Bhilai (Biotechnology)
2. Govt. Digvijay P.G. College, Rajnandgaon (Biotechnology)
3. Govt. D. B. P.G. Girls' College, Raipur (Zoology)
4. Pt. Ravishankar Shukla University, Raipur
5. Govt. N.P.G. College of Science, Raipur (Zoology)

Member of Governing body: Nominated by VC, Pt. R.S. University, Raipur

- Gurukul Mahila Mahavidhyalya, Raipur

Member of Editorial Board: An International Journal "Lab to Land" ISSN 0975-282X.

Member for Professional bodies:

1. Life member for "Indian Society for Comparative Endocrinology".
2. Life member for "Zoological Society of Chhattisgarh". **As a Treasurer**

## July, 2014-June, 2015

Sympo./Conf./Semi.	03
Workshop	05
Co-Convener	01
Paper/Oral Presentation	01
Poster Presentation	04
Research Paper	01
Guest Lecture	03
Members for different bodies	09

**Symposium/Seminar/Conference Participation**  
**Abstracts Published, Paper Presentation/Poster Presentation & Serve as Resource**  
**Person/Chairperson/Member of Advisory Committee/Organizing**  
**Secretary/Treasurer**

**July, 2015-June, 2016**

1. **National Symposium on** “Role of Quality control in Health Care management” Pt. Deendayal Upadhyay Centre for Genetic Disease and Molecular Biology, Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.). 25th July, 2015. **Oral Presentation:** *“Quality control in Health Care management: Alternative roles”*. **Awarded by 03 Credit.**
2. **National Seminar on** “Conservation of Plant Biodiversity: Global Issues”. Dr. Radhabai Govt. Naveen Kanya College, Raipur, (C.G.). 7<sup>th</sup> August, 2015. **Abs. Publ.:** *Human Impact on Conservation of Plant Diversity.*
3. **Interdisciplinary International Seminar on** “Rationalizing the utilization of available natural resources through appropriate technological intervention” Dept. of Zoology and Microbiology, Swami Shri Swaroopanand Saraswati Mahavidyalya, Hodco, Bhilai (C.G.). 22<sup>nd</sup> Sept. to 24<sup>th</sup> Sept. 2015. **Oral Presentation.:** *“Impact of Landfill waste on health: An overview”*.
4. **National Seminar on** “Enhancement Strategies in Quality Education and Research” Internal Quality Assurance Cell (IQAC), Govt. N.P.G. College of Science, Raipur, (C.G.). 27<sup>th</sup>- 28<sup>th</sup> November, 2015. **as Treasurer & Prepare a Questioner.**
5. **National Conference on** “Modern Life Sciences-Perspective and Prospects” Govt. College Bhakhara, Dist. Dhamtari, (C.G.). 04-05 December, 2015. **Abs. Publ. & Paper Prest, as a Resource Person,:** *“An Overview on Waste Management As Necessitate For Control The Hazardous Diseases.*  
**Abst. Pub.:** *Insulin mimetic action of vanadate in alloxan induced diabetic Rabbits.*  
In same Conf.
6. **National Conference on** “Prospects in Life Sciences: Paradigm Shift in Teaching and Research in Zoological Sciences”. Dept. of Zoology, Govt. N.P.G. College of Science, Raipur, (C.G.). March 02 - 03, 2016. **Organizing Secretary/ Editor of the Souvenir**

**Abstract:**

- “Waste management strategies relevant to health and disease”. **Short Invited Talk, Resource Person**
- “Socio - ecological behavioral pattern of different species of bird”
- “Health Threats due to Hazardous Wastes: A Review”.
- “Dissection- The phenomenol device in higher learning and research in Zoological

Sciences”.

- “Checklist of Bird Species in Barnawapara Wildlife Sanctuary, District Mahasamund, C. G”. **Poster presentation: (Awarded as a 1<sup>st</sup> Prize).**
- “Robin: The most familiar garden bird”. **Poster presentation: (Awarded as a III<sup>rd</sup> Prize).**

### **Workshops Participation/Conducted & As a Resource Person** **July, 2015-June, 2016**

1. “Food Pesticides and Consequent Health Hazards” Dr. Radhabai Govt. Naveen Kanya College Raipur, (C.G.). 8<sup>th</sup> August, 2015. *Abs. Publ.: “Food and Pesticide”*
2. State level workshop on “Enhancement in work efficiency of Office and Technical staff”. Organized by Swami Shri Swaroopanand Saraswati Mahavidyalaya, Hudco, Bhilai from 21<sup>st</sup> to 23<sup>rd</sup> June 2016. In this workshop In this workshop **(Invited talk) on, Topic- Basic Lab Techniques.**
3. Capacity –Building Workshop on “Laboratory Techniques & Maintenance”. Organized by Govt. N.P.G. College of Science, Raipur. 18<sup>th</sup>-20<sup>th</sup> November, 2016. **As a Resource Person.**

### **Research Papers**

1. **Maheshwari R. Impact of Landfill Waste On Health: An Overview.** *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume. 1 Issue. 4, PP 17-23, Sept. 2015 [www.iosrjournals.org](http://www.iosrjournals.org).*
2. **Avifaunal diversity of Pt. Ravishankar Shukla University Campus, Raipur (Chhattisgarh).** *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume. 1 Issue 6, PP 41-44, Sept., 2015 [www.iosrjournals.org](http://www.iosrjournals.org)*

### **Guest Lectures: July, 2015-June, 2016**

1. **“Awareness in Healthcare Management”** Lecture series, Orientation Workshop for school students at Chhattisgarh Science Center, Dalal Seoni, Saddu, Raipur. 27<sup>th</sup> October, 2015.
2. **“Personality Development: How endocrine system regulates by YOGA”** Gurukul Mahila Mahavidyalaya, Raipur, 01<sup>st</sup> December 2015.
3. **“Biostatistics”** Department of Zoology, Govt. D.B. Girls P.G. College, Raipur, (C.G.), 28<sup>th</sup> Jan. 2016
4. **“Healthcare management”** Dept. of Human Resources, Pt. R.S. University, Raipur, 15<sup>th</sup> March, 2016. **In Orientation Programme, As a Resource Person**

## Members for different bodies: July, 2015-June, 2016

1. Kalyan College Bhilai (Biotechnology)
2. Govt. D. B. P.G. Girls' College, Raipur (Zoology)
3. Govt. Chhattisgarh P.G. College, Raipur
4. Pt. Ravishankar Shukla University, Raipur
5. Govt. N.P.G. College of Science, Raipur (Zoology)

Member of Governing body: Nominated by VC, Pt. R.S. University, Raipur

- Gurukul Mahila Mahavidhyalya, Raipur

Member of Editorial Board: An International Journal "Lab to Land" ISSN 0975-282X.

Member of Examination Committee: Pt. Ravishankar Shukla University, Raipur.

Member as a Subject Expert for Affiliation the U.G. & P.G. Course:

1. Harishankar College Kachana, Raipur for **B.Sc.**
2. Aadarsh Mahavidhyalya, Datrenga, Raipur for **B.Sc.**
3. Govt. College, Arang, for **M.Sc.**
4. Govt. Nehru P.G. College, Dongargadh for **M.Sc.**

Course Coordinator: (20 August to 09 September, 2015: 3 Weeks: for the Refresher Course in Zoology organized by Dept. of Human Resource Development Centre, Pt. R.S. University Raipur.

Member for Professional bodies:

1. Life member for "Indian Society for Comparative Endocrinology".
2. Life member for "Zoological Society of Chhattisgarh". **As a Treasurer**

## Achievements

1. "Checklist of Bird Species in Barnawapara Wildlife Sanctuary, District Mahasamund, C. G". Poster presentation **Awarded as a I<sup>st</sup> Prize.**
2. "Robin: The most familiar garden bird". Poster presentation **Awarded as a III<sup>rd</sup> Prize. Some behavioural observations of the Indian Robin, Saxicoloides fulicata. (best Poster performance AWARD).**

July, 2015-June, 2016

<b>Sympo./Conf./Semi.</b>	<b>06</b>
<b>Workshop</b>	<b>03</b>
<b>Organizing Sec.</b>	<b>01</b>
<b>Treasure</b>	<b>01</b>
<b>Resource Person</b>	<b>03</b>
<b>Invited Talk</b>	<b>02</b>
<b>Oral Presentation</b>	<b>02</b>
<b>Poster Presentation</b>	<b>02</b>
<b>Guest Lecture</b>	<b>04</b>
<b>Award</b>	<b>02</b>
<b>Members for different bodies</b>	<b>14</b>
<b>Course Coordinator</b>	<b>01</b>
<b>Research paper</b>	<b>02</b>

**Symposium/Seminar/Conference Participation**  
**Abstracts Published, Paper Presentation/Poster Presentation & Serve as**  
**Resource Person/Chairperson/Member of Advisory**  
**Committee/Organizing Secretary/Treasurer**

**July, 2016-June, 2017**

1. **National Symposium** on “Genetic basis of Haematological disorders with special emphasis on Sickle Cell Disease. Organized by Pt. Deendayal Upadhyay Center for Genetic Diseases & Molecular Biology, Dept. of Biochemistry, Pt. J.N.M. College Raipur on 25<sup>th</sup> & 26<sup>th</sup> July, 2016. **Awarded by 04 Credit hours**

2. **Interdisciplinary National Seminar** on “Behavioral Impact of Animals and Micro-organisms on human life and their Environment” organized by Department of Zoology, Govt. Dr. W.W. Patankar Girls’ P.G. College, Durg (C.G.) on 3<sup>rd</sup> & 4<sup>th</sup> February, 2017. **In this Seminar three abs. published, one invited talk and one Poster Presentation (best performance AWARD) Chaired the Session & Member of Advisory Committee.**

**Abstract:**

- *Air Gulping Behaviour In Heteropneustes fossilis.* **Invited talk**
- *Behavioral impact of some aquatic invertebrates causing occupational health risks.*
- *Some behavioural observations of the Indian Robin, Saxicoloides fulicata.* **Poster presentation: Best Poster Presentation Award**

Conference on “Tribal Health and Their Nutritional Status in Chhattisgarh- New Vistas. Organized by Department of Zoology, Govt. N.C.J. Arts, Science and Commerce College, Dalli Rajhara, District Balod. 20<sup>th</sup> – 21<sup>st</sup> January 2017. **Title: An overview: Some tribal Culture and ethnicity of Living in Harmony with the Mother Nature. Member of Advisory Committee.** (workshop not attended)

3. **National CME “Stem cell & it’s application.** Organized by Department of Anatomy, Raipur Institute of Medical Sciences, Raipur (C.G.). 12<sup>th</sup> April, 2017. **(Chairperson for one session)**

**Workshops Participation/Conducted & As a Resource Person**

**July, 2016-June, 2017**

1. Bird Watching Workshop, Organized by Bird Count India, 06.11.16
2. Nikon School Workshop for BASIC D-SLR. Organized by Nikon India Pvt. Ltd. on 10.12.2016.
3. Nikon School Workshop for PHOTO WALK, Organized by Nikon India Pvt. Ltd. on 11.12.2016.



4. National workshop on “**Alternatives of dissections and animal experimentation in Zoology**”, Organized by Department of Zoology, Bhilai Mahila Mahavidhyalaya, Bhilai Nagar (C.G.) on 27<sup>th</sup> January to 02<sup>nd</sup> February. **Abstract and (Invited talk)** on, *Is animal necessary for the Zoological studies?* (30.01.2017) and also member of advisory committee.
5. **Strategies and Challenges in Implementing Extension of Higher Education and Improvement in Quality of Higher Education.** Organized by Govt. N.P.G. College of Science, Raipur. 20<sup>th</sup> June, 2017. Rusa Sponsored.
6. **Road Map of Quality Enhancement.** Organized by Govt. N.P.G. College of Science, Raipur. 21<sup>st</sup> June, 2017. Rusa Sponsored.
7. **Examination Reform.** Organized by Govt. N.P.G. College of Science, Raipur. 22<sup>nd</sup> June, 2017. Rusa Sponsored.
8. **Strategies and Challenges in Implementing Semester System and Choice based Credit (CBCS) system.** Organized by Govt. N.P.G. College of Science, Raipur. 23<sup>rd</sup> June, 2017. Rusa Sponsored. As a Co-convenor.
9. **Collection of Data, Analysis and Report Preparation.** Organized by Govt. N.P.G. College of Science, Raipur. 24<sup>th</sup> June, 2017. Rusa Sponsored.
10. **National workshop on “Capacity Building in Higher Education: Use of Library resources.** Organized by Govt. N.P.G. College of Science, Raipur. 25<sup>th</sup> June, 2017. Rusa Sponsored.

#### Guest Lectures: July, 2016-June, 2017

1. “**Biostatistics**” Department of Zoology, Govt. V. Y. P.G. Science College, Durg, (C.G.), 21.09.2016
2. **Healthcare Management: Prevention from Communicable Diseases. In Guest Lecture Series about ‘Health & Disease Awareness’,** Organized by Department of Zoology, Govt. De. W.W. Patankar Girls’ P.G. College, Durg (C.G.). 18.10.2016.
3. **Why Cleanliness is Mandatory?** In Govt. College, Baloda Bazar. 08.11.2016.
4. **Causes and Prevention of Hazardous Diseases: Some Alternatives.** On In Gurukul Mahila Mahavidhyalya, Raipur (C.G.). 23.11.2016.

#### Research Paper

1. Kavita Das, **Renu Maheshwari** and Indu Mandrik. (2017). Some behavioural observations of the Indian Robin, *Saxicoloides Fulicata*. Indian J.Sci.Res. 12 (2): 107-110, 2017 ISSN 0976-2876 (Print) ISSN: 2250-0138(Online).

## Members for different bodies: July, 2016-June, 2017

### Member for Board of studies:

1. Kalyan College Bhilai (Biotechnology)
2. Govt. Chhattisgarh P.G. College, Raipur
3. Govt. N.P.G. College of Science, Raipur (Zoology)

### Member of Governing body: Nominated by VC, Pt. R.S. University, Raipur

- Gurukul Mahila Mahavidhyalya, Raipur

### Member as a Subject Expert for Affiliation the U.G. & P.G. Course:

1. Govt. B.P. Arts, Commerce & Science College, Arang, for M.Sc.
2. Govt. Veer Surendra Sai College, Gariaband, for M.Sc.

### Member for Professional bodies:

1. Life member for “Indian Society for Comparative Endocrinology”.
2. Life member for “Zoological Society of Chhattisgarh”. **As a Treasurer**

## July, 2016-June, 2017

Sympo./Conf./Semi.	03
Workshop	10
Resource Person	01
Chairperson	02
Invited Talk	02
Poster Presentation	01
Guest Lecture	04
Award	01
Members for different bodies	08
Research Paper	01

**Symposium/Seminar/Conference Participation**  
**Abstracts Published, Paper Presentation/Poster Presentation & Serve as**  
**Resource Person/Chairperson/Member of Advisory**  
**Committee/Organizing Secretary/Treasurer**

**July, 2017-June, 2018**

1. **National Symposium** on “Quality management in laboratory investigation and haematological disorders. Organized by Pt. Deendayal Upadhyay Center for Genetic Diseases & Molecular Biology, Dept. of Biochemistry, Pt. J.N.M. College Raipur on 25<sup>th</sup> & 26<sup>th</sup> July, 2017. **Poster Presentation. Awarded by 02 Credit hours**
2. **3<sup>rd</sup> National conference** of Zoological Society of Chhattisgarh on “Prospects of Innovation in Life Sciences and Socio-Economic Challenges” Organized by Department of Zoology, C.M.D. Post Graduate College, Bilaspur in collaboration with Bilaspur Vishwavidyalaya. 02-03 December, 2017. **In this conference four abs. published, two invited talk, as Chairperson and the member of Advisory Committee.**

**Abstract:**

1. *Why waste management is mandatory: An overview.*
  2. *Dissection may or may not be in teaching – learning methodology. invited talk.*
  3. *Checklist of birds in Udanti wildlife sanctuary, District Gariaband, Chhattisgarh.*
  4. *Local Avian fauna with and without sexual dimorphism. invited talk.*
3. National Seminar on “Recent trends in Library Services” Jointly Organized by Pt. Sunderlal Sharma Library, SoS in Library & Info. Science, Pt. Ravishankar Shukla University, Raipur (C.G.) & Govt. Nagarjuna Post graduate college, Raipur (C.G.) 01 June, 2018
  4. International Colloquium on – Ambient Science to Strengthen the Green Economy. Organized by National Cave Research and Protection Organization. Co-sponsored by C.G. Cost and India SERB. **Oral Presentation:** Impact of Environmental Pollution on Health Issues in response to Waste: An overview. 7<sup>th</sup> to 10<sup>th</sup> June, 2018.

**Workshops Participation/Conducted & As a Resource Person**

**July, 2017-June, 2018**

1. National workshop on “Enzymology and its application (Isolation, Purification and Immobilization of Enzymes-Amylase and Lipase)”. 12-18 January, 2018. As a **Resource Person. “Enzymes and Human Health”.**
2. National workshop on “Plagiarism and IPR: A Prime concern for Academia”. Jointly Organized by Pt. Sunderlal Sharma Library, SOS in Library & Info. Science,

Pt. Ravishankar Shukla University, Raipur (C.G.) & Govt. Nagarjuna Post graduate college, Raipur (C.G.) 02-03 June, 2018

**Members for different bodies: July, 2017-June, 2018**

**Member for Board of studies:**

- Central University, Bilaspur

**Member of Governing body: Nominated by VC, Pt. R.S. University, Raipur**

- Pt. Harishankar Shukla Smrity Mahavidhyalya, Kachana, Raipur

**Member as a Subject Expert for Affiliation the U.G. & P.G. Course:**

1. Pt. Harishankar Shukla Smrity Mahavidhyalya, Kachana, Raipur. For B.Sc. III, Bio Group)
2. Navin Govt. College, Mainpur for (B. Sc., Bio Group)
3. Govt. Pt. Shyamacharan Mishra College, Devbhog. For M.Sc.
4. Govt. College, Bhakhara. For M.Sc.

- **Member for selection of candidate for Asstt. Prof.:**

- Pt. Harishankar Shukla Smrity Mahavidhyalya, Kachana, Raipur.

**Member for Professional bodies:**

- Life member for “Indian Society for Comparative Endocrinology”.
- Life member for “Zoological Society of Chhattisgarh”. **As a Treasurer**

**July, 2017-June, 2018**

Sympo./Conf./Semi.	04
Workshop	02
Resource Person	01
Chairperson	02
Invited Talk	02
Poster Presentation	01
Oral Presentation	01
Members for different bodies	09
Research Paper	01