

Curriculum-Vitae

Ms. SEEMA RAI (Ph. D.)

Associate Professor

Department of Zoology, Guru Ghasidas Vishwavidyalaya, Koni-Bilaspur 495009 (CG) INDIA

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ACADEMIC PROFILE:

- Ph. D. (2004): Banaras Hindu University, (U P) India, entitled “**Immunomodulatory role of melatonin and thyroxin in seasonally breeding vertebrate, *Funambulus pennanti***”
- M. Sc. Zoology (1994): Banaras Hindu University (U.P.) India.
- B. Sc. (1996): Patna University, (Bihar.) India.

PREVIOUS PROFESSIONAL POSITIONS:

- **Assistant Professor** Department of Zoology, Guru Ghasidas Vishwavidyalaya, Bilaspur, C. G. (August, 2009- June 2013).
- **Senior Research Associate (CSIR- Pool Officer)** Department of Zoology, Banaras Hindu University, (U P) India, April 2009.
- **Young Scientist Fast-Track (DST, New Delhi)**, Department of Zoology Banaras Hindu University, (U P) India, September 2005)
- **Post-Doctoral Fellow (PDF) University of Insubria, Varese, Italy.**
- **Project Fellow (UGC)** Department of Zoology, Banaras Hindu University, India 2002

FOREIGN VISITS:

- Italy, Switzerland (Ascona, & Locarno), France (Strasbourg), Poland (Warsaw)

RESEARCH AND TEACHING EXPERIENCE (Excluding Ph D tenure): 16 YEARS

AREAS OF RESEARCH INTEREST:

- Molecular Neuroendocrinology and Pineal melatonin physiology, Stress induced immunologic, Reproductive and Metabolic Disorder in mammals

RESEARCH PUBLICATIONS:

- **Research papers published: 41**
- **Total citations: 212**
- **h-index: 07**
- **i10-index: 06**

- **Book Chapters: 02**

- **Book: 01**

Link for detail publication

https://drive.google.com/file/d/1nCypyBMB1r1HeUTg-j4wqhy_V8C_o5lU/view

SCIENTIFIC AWARDS/ RECOGNITIONS/ PRIZES/ FELLOWSHIPS:

International: 03

National: 11

1. BHARAT RATNA Dr. RADHAKRISHNAN GOLD MEDAL AWARD 2018 BY Global Economic Progress & Research Association (GEPR) NEW DELHI
2. S.L Mishra Medal- 2018 BRIATS Allahabad During 20th Indian agricultural scientists and farmers congress 17th, 18th Feb 2018.
3. Judge XI Chhattisgarh Young Scientist Congress 2013
4. Executive Council Member, Guru Ghasidas Vishwavidyalaya 2013
5. INSA VISITING SCIENTIST 2012 Under Bilateral Programme, University of Warsaw, Poland
6. Full AIR FARE from CSIR to present research paper in IX European Biological Rhythm Society, (EBRS) 2009, Strasbourg, France
7. Best Poster Presentation: IX European Biological Rhythm Society, (EBRS) 2009, Strasbourg, France.
8. Best Oral Presentation - NJ Chinoy Award : XXVII SRBCE, University of Hyderabad, India

9. Invitation Fellowship University of Insubria, Varese, Italy
10. Pool Scientist (2009: CSIR, New Delhi, India.
11. DST Fast Track Young Scientist Award – DST, New Delhi, Fast Track (2005-2006).
12. Best Oral Presentation 3rd Indian Pineal Study Group Meeting-IVRI, Bareilly, India (2002)
13. GATE 2002 (Life Sciences),
14. RET , BHU, (2000)

SCIENTIFIC CONTRIBUTION AS EDITOR/ EDITORIAL BOARD/ REVIEWER: 08

CONFERENCES/ WORKSHOPS/ TRAININGS ATTENDED or PARTICIPATED:

International: 17

National: 19

RESEARCH PROJECTS:

Designation	Title of Project & Sanction Letter No	Funding Agency	Amount
Principal Investigator	“Neuroendocrine modulation of lymphocyte function in albino rat <i>Rattus norvegicus</i> : Role of endogenous melatonin and catecholamine” F. No. 41-94/2012 (SR) dated 13. July 2012	UGC, New Delhi	11,73,800/-Lac
Principal Investigator	Melatonin receptor (mt1/mt2) expression following steroid (adrenal/gonadal) induced toxicity in lymphocytes (blood & spleen). No. F. 20-1/2012 (BSR)/ 20-3 (3)/2012 (BSR)	UGC, New Delhi	6,00,000/- Lac
Group Leader (Collaborative Project)	DBT- under Boost to University Interdisciplinary Life science (Biotechnology, Botany and Zoology) Departments for Education and Research BT/PR7020/INF/22/172/2012	DBT, New Delhi	~3.6 Cr.
Young Scientist (Principal Investigator)	Relation between melatonin receptor (MelaR) agonist (8-M-PODT) and antagonist (4-P-PDOT) on steroid induced toxicity in lymphatic tissue: An in vivo and in vitro study Registration No. 80/2005 (August 22, 2005)	DST, New Delhi	12,72,000/-
Post-Doctoral Fellow	Endogenous melatonin and catecholamines in the cross talk between T effector and T-regulatory cells. Prot n 3568 (08/03/2007)	(PDF:)Universita Degli Studi Dell’Insubria, Varese, Italy	
Senior Research Associate (Pool Scientist)	Action of melatonin on ovarian free radical load and cytokine(s) secretion in normal as well as experimentally induced an ovulatory condition in rat: An <i>in vivo</i> and <i>in vitro</i> study B-11339 (06.04.2009)	CSIR, New Delhi	Salary and contingency as per rules

CONTRIBUTION AS RESEARCH SUPERVISOR:

- Number of Ph D guided and awarded:03;
- M. Sc. Dissertations:- Awarded: 45
- B. Sc. Dissertations:- Awarded: 18

Registered/mentor: 02