

## **CURRICULUM VITAE**

Name : **Dr Navita Gupta**  
Designation : Associate Professor  
Date of Birth : 26<sup>th</sup> September, 1965  
Father's Name : Late Shyam Lal Gupta  
Mother's Name : Smt. Chandramani Gupta  
University : Binod Bihari Mahto Koyalanchal University, Dhanbad.  
Date of initial appointment : 19<sup>th</sup> November, 1996.  
Official Address : Associate Professor ,University Department of Zoology.  
BBMK University, Dhanbad.  
Caste Category : OBC  
Permanent / Correspondence Address : 20, Co-operative Colony,  
Bokaro Steel City, Jharkhand. PIN – 827001  
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Marital Status : Married  
Husband's Name : Satish Chand Gupta  
Siblings : Aditi Saumya, Daughter (27 years of age)  
: Anoushka Smriti, Daughter ( 21 years of age)

### **A. Educational Qualifications:-**

<b>Sl.</b>	<b>Course</b>	<b>Year</b>	<b>Institution</b>
1.	Post Graduate Diploma in <b>Ecology &amp; Environment</b>	1997	Indian Institution of Ecology & Environment, New Delhi.
2.	Certificate course in <b>MS Office &amp; HTML</b>	1998	DataPro Infoworld Ltd,
3.	UGC – CSIR- <b>NET</b> qualified.	Dec 1990	UGC, New Delhi.
4.	Ph. D { <b>Avian Cytogenetics</b> }.	1993	University of Allahabad.
5.	M.Sc. ( <b>Cell Biology &amp; Genetics</b> )	1986	University of Allahabad.

**B. Post Academic Courses / Studies :-**

Sl.no.	Course	Year / Period	Institution
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<b>UGC sponsored Courses</b>			
1.	Orientation Course	24.03.1993 to 17.4.1993	University of Allahabad
2.	Orientation Course	02.06.1997 to 28.06.1997	BHU, Varanasi.
3.	Refresher Course ( <i>Biotechnology</i> )	09.04.2001 to 04.05.2001	JNU, New Delhi.
4.	Refresher Course <i>Ecology &amp; Environmental Science on the thrust area "Environmental Management"</i>	06.03.2006 to 26.03.2006	Ranchi University, Ranchi.
5.	Refresher course <i>Research Methodology in Agricultural Sciences (Zoology)</i>	27 <sup>th</sup> Feb to 20 <sup>th</sup> March, 2015	Aligarh Muslim University, Aligarh.
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**C. Other Workshops**

- Workshop on 12.11.2002 to 15.11.2002 USIC, University of Burdwan.  
*Scanning Electron Microscopy*
- DBT Workshop on 28.02.2003 to 14.03.2003 AIIMS, New Delhi.  
*"Prenatal & Post Natal Diagnosis of Genetic Disorders using Molecular Methods"*
- Refresher Course  
(*Bioinformatics*) 30.08.2004 to 04.09.2004 BIT. Mesra, Ranchi.
- Participated in *Faculty Development Program* by Ministry of Science & Technology, Govt. of India, 19.4.2010 to 3.5.2010.
- Participated in *"Hands on workshop in bioinformatics, Drug Designing, Biological instrumentation and the way forward"* from 10<sup>th</sup> March to 16<sup>th</sup> March, 2014. Organized in collaboration with Deptt. Of Zoology and Biotechnology, Dhanbad and Nitza Biologicals, Hyderabad.

**D. Work Experience :-**

Sl. No.	Institution / College	Post	Period
1.	University Department of Zoology	Associate Professor	Continuing
1.	University Department of Life Science, Binod Bihari Mahto Koyalanchal University, Dhanbad	Head & Associate Professor September 2018- October 2022	
2.	PK Roy Memorial College, Dhanbad	Associate. Professor	Nov, 2012 – August, 2018
3.	Bokaro Steel City College, Bokaro	Asstt. Professor	23.8.2001 – 31.10.2012.
4.	SSLNT Mahavidyalaya, Dhanbad.	Asstt. Professor	19.11.1996 -23.8.2001.
5.	Bokaro Mahila College, Bokaro.	HoD (Zoology)	1990-1996

6. Worked as JRF / SRF in a CSIR at University of Allahabad. 1987-1990  
Funded project.
7. Elected as Secretary of Ethological Society Zoology Department, Allahabad University  
During M.Sc. and Research Representative afterwards (for 1 year).

**E. List of Publications**:- Annexure I.

**F. Seminar & Conferences Attended**: See separate sheet.

**G. Research Activities :**

1. Awarded a minor project by ERO (UGC) Kolkata vide letter no. PSJ/014/11-12 dated 3.8.2011 for two years entitled ,” Survey and documentation of avifauna in wetlands of Chotanagpur Plateau and Bokaro District.”
2. Awarded Ph.D Degree in the research entitled ,” Heavy metal contamination in Agricultural soils and its impact on human health near Chasnalla Colliery ,Kharia Block( Jharkhand, India)  
Scholar : Amita Kumari, Singhanian University( Rajasthan, India): Registration no. 180155102288(2019)- as a Co- Guide.
3. As major Guide for PhD candidate (Registered) in the research entitled ,” Studies on medicinal and nutritional potential of edible *Astraeus asiaticus* ( Rugra) from Jharkhand on Albino rat .
- 11.**Filed Patent** on An Indigenous alcohol based hand sanitizer using Turmeric, Aloe vera, Tulsi and neem.5<sup>th</sup> May 2020, Application no. 202031019121 dt 05.05.2020.
12. As major Guide for PhD candidate (Registered) in the research entitled,” Extraction and purification of Sericin from cocoon of Tasar Silk worm *Antheraea mylitta* – used as a potential by product in biomedical and biotechnological applications.”Scholar Name : Shama Arshi (JRF/MANF)
13. As major Guide for PhD candidate (Registered) in the research entitled,” To study the association of chromosomal instabilities with risk of cancer in peripheral blood lymphocytes, body fluids and tissues among women using molecular techniques.” Scholar name: Priya.
14. As major Guide for PhD candidate (Registered) in the research entitled,”Studies on accumulation of selected heavy metals and micro plastics and its effects on major carp from water bodies around coalfield regions of Dhanbad District(Jharkhand).Scholar Name : Vikas Kumar Mandal(JRF/CSIR).
15. As a Co-Guide in research entitled ,” **Bio**-therapeutical, Nano-biological and Bio-remedial activities of plant extracts and extracts from associative endophytic fungus isolated from different parts *Barleria prionitis* and *Dodonaea genus*.-Registered.  
Raipur Institute of Technology(RITEE),Raipur, Chattisgarh.Scholar Name : Debashish Sahoo.

**G .Other Achievements :**

1. Chairman, Admission Cell , BBMKU,Dhanbad vide letter no.BBMKU/R/1057/2020 Dt. 06/11/2020.
2. Appointed as Nodal Officer for UGC Scholarship Portal for BBMKU vide letter no. BBMKU/R/960/2019 Dt07.09.2019
3. Promotion from Lecturer Selection Grade(Reader) to Associate Professor with effect from 19.11.2008 vide letter no. BBMKU/R/703/2020 Dated11/08/2020
- 4.Promotion from Senior Scale to Lecturer Selection Grade with effect from 19.11.2005 vide letter no. BBMKU/R/703/2020 Dated11/08/2020
- 5.Promotion to Lecturer – Senior Scale with effect from 19.11.2000 vide VBU /Estt./ 1110/10 dated 21.9.2010.
6. Appointed as Coordinator for Career Counseling Cell vide BSCC / G-43/11 dated 24.2.2011.

**G .Other Interests :-**

1. As a part of Minor project funded by UGC, Survey and documentation of wetland birds of major reservoirs like Maithon Dam, Panchet dam, Tenughat Dam, Garga Dam and others. A checklist of wetland birds and threats are discussed.
2. Active member of W.W.F. Bokaro Chapter & Director, Nature Club of India (Bokaro Chapter). Took Bokaro School children to following Nature Camps under WWF banner in collaboration with Govt. Forest Deptt.
  - i. Dalma Wildlife Sanctuary,
  - ii. Parasnath Hills,
  - iii. Tholkabad Saranda Reserve Forest
  - iv. Hazaribagh National Park.
  - v. Betla National Park
3. First prize in animal photography by Ethological Society Zoology Department, Allahabad University.

Annexure I  
**LIST OF PUBLICATIONS**

**International ( Abstracts)**

1. Translocation polymorphisms in a population of the northern green barbet Megalaima zeylanica caniceps (Franklin) (Piciformes : Aves) (Abs.) – Proc. IV The International Congress of Cell Biology. P8. . 13. Pp279 held at Montreal, 14-19 Aug,1988.
2. Male meiosis in structurally heterozygous Megalaima zeylanica caniceps (Franklin) (Piciformes : Aves) – Proc. Xth International Chromosome Conference : p 13-14, held at Uppsala University, Sweden, 18-22 June, 1989.
3. Optimization of attributes and parameters for bio ethanol production from agricultural and food process wastes :1<sup>st</sup> International Agriculture,Biosystems and Technology Conference: July 22-23, 2021, page 51.

**National and International Papers**

1. The chromosomes of Yellow – legged green pigeon, Treron phoenicoptera phoenicoptera (Latham) from Berhampur. Eighth All India Congress of Cytology and Genetics held at Department of Zoology, Berhampur University, Orissa. P 72-73 (15 – 18 October, 1999).
2. Chromosome polymorphism in a population of northern green barbet Megalaima zeylanica caniceps from Orissa (Abs.) National Congress of Cytology, held at Kalyani University, Calcutta, pp-83, (22-26 December 1990).
3. A study of air pollution control and remedial measures taken by the Management of SAIL / Bokaro Steel Plant, Bokaro Steel City, Bihar. Presented in Seminar of Environmental Crisis & Management. 18-19 September, 1993 held at Vinoba Bhave University. Hazaribagh. \*Invited paper.
4. Male meiosis in structurally heterozygous Treron phoenicoptera phoenicoptera (Latham) (Columbiformes : Aves) from Jharkhand. The Bioscan Vol. 6 No. 3 September. 2011.
5. C – Banding evidence for Pericentric Inversion Polymorphism in common green pigeon Treron phoenicoptera phoenicoptera (Latham) The Bioscan 6(2): 311-316,2012.
6. G – Band Polymorphism in Natural Populations of Yellow – legged green pigeon, Treron phoenicoptera phoenicoptera from Northern India. Proceedings of the National Academy of Sciences, India Section B : Biological Sciences, ISSN 0369-8211 Proc. Natl. Acad. Sci. India, Sect. B Biol. Sci.2014.

7. Preliminary study of biodiversity of waterbirds in selected reservoirs of Bokaro district. The Ecoscan 7(1&2):89-94,2013.
8. Production of algal oil from Power Plat Algae: Indian Chemical Engineer,online<https://tandfonline.com/loi/tice20>; DOI: 10.1080/00194506.2020.1806740.
9. Herbal drug system – Advancement in recent approach and commercial potential using modern technology, concept and prospect by enhancing safety, reliability, authenticity and conservation: Asian Journal for resource management and governance: Volume I, Issue I,2021.
10. In vitro and nano-biological prospect for alcoholic and acetone extract of whole plant of *Tinospora cordifolia* (Guduchi) selectively grown on neem plant sampled from tribal areas of Odisha state as a safer alternative to chemical NSAID and in silico approach as potential anti-inflammatory drug: Biojournal, December -2021; Volume 16:1 & 2, pp 44-53.
11. Co-culture of Diatoms and microalgae for improvement in aquaculture ecosystem with development of resources for green energy production. A sustainable model for self reliable economics and environment: Proceedings in Center for Academic & Professional and Research (CAPCDR)
12. Bio- therapeutic and nano-biological studies for solvent extract and endophytic fungus from leaf sample of Bhumi amla( *Phyllanthus niruri*): BiogenePSJ; issue no 1 , Volume no.1,2021.
13. Isolation, identification and characterization of microbes capable of bio-remedial activities isolated from Jharia coalfield, Jharkhand: International journal of Ecology and Environmental Sciences; Volume no.3, Issue 3,2021, Page no.166-171.
14. Biodegradation of heavy metal contaminated soil and optimization of heavy metal degradation: International journal of Ecology and Environmental Sciences; Volume no.4, Issue I,2022, Page no.125-130.
15. Comparative in- vitro studies *Barleria prionitis* (Porcupine flowers): International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST); Volume 2, Issue 3, December-2023; Page No., 64-75.