



## CURRICULUM VITAE

<b>Name:</b>	Dr. Amit Ranjan	
<b>Designation:</b>	Assistant Professor	
<b>School:</b>	School of Life Sciences	
<b>Department:</b>	Department of Zoology	
<b>Specialisation &amp; Research Interests:</b>	Neurobiology : Neuronal Plasticity, Neurodegeneration, Neuroimaging & Behaviour biology of sleep-wake, learning and memory.	
<b>Email IDs (Official &amp; Personal)</b>	<a href="mailto:amitrانjan@mgcub.ac.in">amitrانjan@mgcub.ac.in</a> , <a href="mailto:amikaranjan@gmail.com">amikaranjan@gmail.com</a>	
<b>Mobile No.:</b>	+91-8292447191	
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## 2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University / Board
PhD	2013	Jawaharlal Nehru University (JNU), New Delhi
M.Phil (Course work)	2008	SES, JNU
MSc. in Life Sciences	2007	SLS, JNU
BSc. Biotechnology (Hons.)	2004	BNC, Patna University

**3. ANY OTHER QUALIFICATION:****4. PROFESSIONAL EXPERIENCE:**

Organisation/Institute/University	Position Held	Duration
Centre for Biological Science (Life Science) Central University of South Bihar (CUSB)	Assistant Professor (Contract)	From 2013 to 2016
Department of Zoology, School of Life Sciences, Mahatma Gandhi Central University, Bihar	Assistant Professor	From 2016 to till

**5. ADMINISTRATIVE ASSIGNMENTS:**

Position Held	Duration	Nature of Work
Member of Special Committee School of Life Sciences, JNU, New Delhi as student representative	2006-2007	Highest decision making body of the School
Member of committee for preparation of BSc. Bed and MSc syllabus of Centre For Biological Sciences (Life Science) CUSB.	2014	Academic
Member of Ordinance Drafting Committee for Mahatma Gandhi Central University(MGCU), Bihar	2016	Non- Academic
Member of committee for preparation of BSc. Zoology (Hons) syllabus for Department of Zoology, MGCUB, Motihari	2017	Academic
Member of committee for preparation of MSc Zoology (syllabus for Department of Zoology, MGCUB, Motihari	2019	Academic
Member of Departmental Research Committee (DRC), Department of Zoology, MGCUB, Motihari	2018-till	Academic

**6. COURSES TAUGHT:****Courses Taught in CUSB**

	<b>At UG level</b>	<b>Code</b>	<b>Credits</b>
1.	Animal Taxonomy	ALS 101	3 +1P=4
2.	Microbes and Animal Diversity	ALS 201	3 +1P=4
3.	Biochemistry and Cell Biology	ALS 151	3 +1P=4
4.	Animal Physiology II	ALS 251	3 +1P=4
5.	Animal Biodiversity	ALS	3 +1P=4
6.	Human Physiology	LSC 161	3 +1P=4
7.	Animal Behaviour , Economic Animals (Applied Biology) and Developmental Biology	ALS 301	4+2P=6

	<b>At PG level</b>	<b>Code</b>	<b>Credits</b>
1.	Tools and Techniques for Biology	LSC 504	3
2.	Population and Community Ecology	LSC 510	2
3.	Fundamentals of Biochemistry	LSC 503	3
4.	Evolution and Systemics	LSC 511	4
5.	Cell Biology and Genetics	BT 501	3
6.	Developmental Biology	LSC 602	4
7.	Animal Physiology	LSC 604	4
8.	Biology of Immune system	LSC 508	4
9.	Neurobiology	LSC 621, BTN 654	2, 3
10.	Lab 1	LSC 506 P	2
11.	Lab 3	LSC 513 P	2
12.	Dissertation of Eight Students	LSC 624 P	10

	<b>At MPhil/PhD level</b>	<b>Code</b>	<b>Credits</b>
1.	Instrumentation	CBS 702	4
2.	Research Methodology	CBS 751	4

**Courses Taught in MGCU, Bihar**

	<b>At UG level</b>	<b>Code</b>	<b>Credits</b>
1.	Principles of Ecology	ZOOL 3002	4+2P=6
2.	Environment and Public Health	ZOOL 3015	4+2P=6
3.	Non-Chordates II: Coelometes	ZOOL 3003	4+2P=6
4.	Insect, Vector and Disease	ZOOL 3016	4+2P=6
5.	Physiology:Controlling & Coordinating Systems	ZOOL 3006	4+2P=6
6.	Physiology:Life Sustaining systems	ZOOL 3009	4+2P=6
7.	Human Physiology	ZOOL 3018	4+2P=6
8.	Principles of Genetics	ZOOL 3012	4+2P=6
9.	Basics of Neuroscience	ZOOL 3022	4+2P=6

	At PG level	Code	Credits
1.	Animal Physiology	ZOOL 4009	4 + 2P=6
2.	Chordates: Structure, Function & Evolutionary Significance	ZOOL 4007	4 + 2P=6

	At PhD level	Code	Credits
1.	Research Methodologies	ZOOL 5001	4
2.	Instrumentation and Techniques	ZOOL 5002	4

## 7. RESEARCH SUPERVISION:

### A. Ph.D.:

- i. Awarded : 01
- ii. Submitted :
- iii. Ongoing : 01

### B. M.Phil.:

- i. Awarded :
- ii. Submitted :
- iii. Ongoing :

### C. Non-Degree Oriented (Master's Level Dissertation):

- i. Awarded : 08

Supervised eight students ( 2014: 2; 2015: 4; 2016: 2) for their M.Sc. dissertation in Life Science, CUSB, Patna.

- ii. Submitted :

- iii. Ongoing :

## 8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

Member	Community Engagement Programme	2016-17
Member	Placement Cell	2016-17
Member	Performed official duty during summer vacation (From 8 July to 25 July 2017)	2017
Member	Committee for implementation of MPH with AIIMS, Patna	2016-17
Member	Medical Committee	2016-17
Member	Technical Support and Trouble	29 <sup>th</sup> January to

	Shooters and Crisis Managers Committee--NAVANKUR, University Foundation Week	03 <sup>rd</sup> February 2017
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## 9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

- i. VIBHA life time membership
- ii. Society for Neuroscience member
- iii. Editor for International Journal of Scientific Research Letters (2019)

## 10. PUBLICATIONS:

### *Research Article:*

1. **Amit Ranjan**, Sudipta Biswas and BN Mallick: Cytomorphometric changes in the dorsal neurons after rapid eye movement sleep deprivation are mediated by noradrenaline in rats. *Behavioural and Brain Functions* 2010, 6:62. [IF:2.780]
2. **Amit Ranjan** and BN Mallick: A modified method for consistent and reliable Golgi-Cox staining in significant reduced time. *Frontiers in Neurology* 2010, 1:157. [IF:3.508]
3. **Amit Ranjan** and BN Mallick: Differential staining of neurons and glia by modified Golgi-Cox method. *Journal of Neuroscience methods* 2012, 209; 269-279. [IF:2.668]
4. **Amit Ranjan**, J Behari and BN Mallick: Cytomorphometric changes in hippocampal CA1 neurons exposed to simulated microgravity using rats as model. *Frontiers in Neurology* 2014, 5:77. [IF:3.508]

### *Book Chapter:*

1. Birendra Nath Mallick, Abhishek Singh, **Amit Ranjan**, Hemant Kumar Srivastava: Neural Regulation of REMs: Critical Role of GABA-Ergic Inhibition in Rapid Eye Movement Sleep: *New Research*; 2012, 35-38, NOVA Publishers.

## 11. Patents/Copyrights /IPR (If Any)

## 12. INVITED TALKS:

1. Presented a paper titled "Comparative study of CA1 neurons after 14 days simulated microgravity and 6 days REM sleep deprivation in rats; in "2<sup>nd</sup> URSI Regional conference on Radio Science" to be held on 16-19th November 2015, at Jawaharlal Nehru University, New Delhi.
2. Participated as invited speaker on paper "Microgravity exposure affects CA1 cytomorphometry" in the National seminar on Advance in Mobile

phone and cell tower Radiation on Environmental Health on 5-6<sup>th</sup> December, 2014.

### 13. RESEARCH PROJECTS (*COMPLETED / ONGOING*):

1. To study the effects of Rapid Eye Movement Sleep Deprivation in rat brain by thionin and Golgi-Cox staining for M.Sc. dissertation at School of Life Sciences, JNU, and New Delhi.

### 14. PARTICIPATION & PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES: (Limit: 05)

**2016:** Co-chair Neurobiology session in the 1<sup>st</sup> International conference on Human Implications of Biotechnology held on Feb 12-14, 2016 at Central University of South Bihar, Patna.

**2012:** Poster presented and attended “XXX Annual conference of Indian Academy of Neuroscience (IAN) and International symposium on Translational Neurosciences; unravelling mysteries of brain in health disease at GNDU, Amritsar.

**2009:** Participated in the Principle and Practice of light microscopy: A Training Course with a Focus on Asia organized by National centre for Biological Sciences and 100X imaging at NCBS and TIFR, Bangalore ; March 1<sup>st</sup> to 7<sup>th</sup>, 2009.

**2008:** Participated in the International Structural Neuroscience Conference on Peptides held at Nagpur, India on 2<sup>nd</sup> and 3<sup>rd</sup> February, 2008.

**2008:** Participated in the SERC School in Neurosciences held at Department of Pharmaceutical Sciences, Nagpur, India from January 27 to February 13, 2008

### 15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

**2013-2011:** Senior Research Fellow; **CSIR**

**2011-2009 :** Junior Research Fellow; **CSIR**

**2008:** Qualified Joint **CSIR-UGC JRF** held on 22.06.08 (ROLL NO 308082).

**2007:** Graduate Aptitude Test in Engineering 2007: Subject: **Life Sciences**, AIR: 86  
GATE Score: 503, No. Of Candidate appeared: 1090, **Percentile: 99.4.**

**2007:** Participated in **SHYAMA PRASD MUKHERJEE FELLOWSHIP TEST-2007** on 8<sup>th</sup> July 2007 at Hyderabad ; LIFE SCIENCES (SPM R.N. 0154).

**2007 :** Qualified Joint **CSIR-UGC JRF Eligibility** for Lectureship Examination

held on 23.12.07 (ROLL NO 310457) and 17.06.07 (ROLL NO 305872).

#### 16. ANY OTHER SIGNIFICANT INFORMATION:

- State-Coordinator of Bihar, **Vidyarthi Vigyan Manthan (VVM)** 2019-20.
- Obtained 'A' grade in **24<sup>th</sup> Refresher Course** in Life Sciences & Biotechnology conducted by UGC Human Resource Development Centre, JNU from 19<sup>th</sup> August to 30<sup>th</sup> August, 2019.
- Obtained 'A' grade in **106<sup>th</sup> Orientation Programme** conducted by UGC Human Resource Development Centre, JNU from 31 July 2017 to 25<sup>th</sup> August 2017.
- **Organizing committee** member for International Conference on Human Implications of Biotechnology (ICHIB-2016), February 12-14, 2016 in CUSB, Patna
- Participated as **Special Invitee** in a meeting of Board of Studies held on 08.11.2014 to review the syllabus of BSc. BEd and MSc. Life Science programme of CUSB, Patna Bihar
- Participated as **Special Invitee** in a meeting of Board of Studies held on 31.05.2017 to review the syllabus of BSc. Zoology (Hons) of Department of Zoology, MGCUB, Motihari
- Participated as **Special Invitee** in a meeting of Board of Studies held on 13.11. 2017 to review the syllabus of BSc. Zoology (Hons) of Department of Zoology, MGCUB, Motihari
- Participated as **Special Invitee** in a meeting of Board of Studies held on 03.04.2019 to review the syllabus of MSc. Zoology of Department of Zoology, MGCUB, Motihari

Dr. Amit Ranjan

***(Name of Faculty)***