

PROFORMA FOR BIO-DATA

1. Name and full correspondence address: **DR. INDRANEEL SAHA**

2. E-mail id: indraneel_saha@yahoo.com

3. Institution: SARSUNACOLLEGE

4. Designation: Associate Professor in Zoology

5. Date of Birth: 14.06.1980

6. Gender (M/F/T): MALE

7. Category Gen/SC/ST/OBC: GENERAL

8. Whether differently abled (Yes/No): NO

9. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institute
1.	PhD (Science)	2011	Zoology	University of Calcutta
2.	NET (L.S)	2004	Life science	CSIR
3.	M.Sc.	2003	Zoology (Special: Endocrinology)	University of Calcutta
4.	B.Sc.	2001	Zoology	Bidhannagar College University of Calcutta

10. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

'Effect of Arecoline on pineal-gonadal axis in male rats.' Dr. B.R. Maiti and Dr. Urmi Chatterji from Calcutta University, India. Awarded on 2011.

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

Sl. No.	Name of Award	Awarding Agency	Year
1.	Best group award in School of Chronobiology.	SERC School in chronobiology	2011
2.	Best young scientist award in Poster session of national seminar held by Department of Zoology.	University of Calcutta and Zoological society in collaboration with ZSI.	2007
3.	National Scholarship Scheme for B.Sc. result.	G.O.I	2001-2002

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

Sl. No.	Authors	Title	Name of Journal	Volume	Page
1.	Ashmita Chakraborty, Indraneel Saha (2021)	Regulatory effects of prolactin on breeding and migratory behaviours in birds	South Asian Journal of Experimental Biology (UGC CARE)	3(1)	337 - 344
2.	Saha, I., Chakraborty, A. and Das, S. (2021)	Prolactin influences different aspects of fish biology.	<i>Asian Journal of biological and life sciences (UGC CARE)</i>	10(1)	51 - 56

3.	Das P, Saha I , Chatterjee A, Pramanick K, Chakraborty SB, Maity A, Bhowal S, Pradhan D, Mukherjee D, Maiti BR (2020)	Participation of Phosphatidylinositol-3 Kinase Signalling in Human Chorionic Gonadotropin, Bovine Insulin (B-Insulin) and Human-Insulin-Like Growth Factor-I Induced Oocyte Maturation and Steroidogenesis in the Grey Mullet, Mugil Cephalus	Acta Endo (Buc)	16(4)	426 - 436
4.	Saha, I. , Pradhan, D., Chatterji, U. and Maiti, B. R. (2018)	Arecoline cannot alter pineal- testicular responses to metabolic stress in Wistar rats.	<i>Acta Endocrinologica</i>	14	175-183
5.	Dasgupta R., Saha I. , Roy PP., Maity A., PradhanD., Sarkar HP and Maity B. R.(2018)	Arecoline plays dual role on adrenal function and glucose- glycogen homeostasis under thermal stress in mice.	<i>Arch. Physiol. Biochem.</i>	13	1-11
6.	Saha, I. , Chatterjee, A., Chakraborty, S.B., Chatterji, U. and Maiti, B. R. (2018)	Arecoline inhibits pineal- testis function in experimentally induced hypothyroid rats	<i>Arch. Physiol. Biochem.</i>	25	1-10
7.	Saha I. (2018)	Role of microRNA involved in Diabetes Mellitus-A short review.	<i>Int. J. Engineering, Science and Mathematics.</i>	7(6)	9-13
8.	Saha I. (2018)	Exposure to isoflavones in diet is not good for reproductive health of premenopausal women-A short review.	<i>Int. J. Engineering, Science and Mathematics.</i> (UGC approved)	7 (4:3)	87-90
9.	Basu PP, Chatterjee T, Roy S, Rakshit S, Bhowmik M, Guha J, Maity A, Saha I , Bhowal A, Chatterjee A, Sarkar S, Maiti BR. (2018)	Noise induces hypothyroidism and gonadal dysfunctions via stimulation of pineal- adrenal axis in chicks.	<i>Proc. Zool. Soc.</i>	71(1)	30-47
10.	Dasgupta R, Saha I , Maity A, Roy PP, Maiti BR. (2017)	Arecoline ameliorates hyperthyroid condition in mice under cold stress.	<i>Arch. Physiol. Biochem.</i>	124(5)	436-441
11.	Saha, I. , Chatterjee, A., Chatterji, U. and Maiti, B. R. (2017)	Arecoline cannot alter testicular dysfunction and pineal activation caused by noise in Wistar rat.	<i>Arch. Physiol. Biochem.</i>	124(1)	18-26
12.	Saha I , Das J, Maiti BR, Chatterji U. (2015)	A protective role of arecoline hydrobromide in experimentally induced male diabetic rats.	<i>Biomed. Res.Int.</i>	2015	136738

13.	Saha I , Chatterjee A, Mondal A, Maiti BR, Chatterji U. (2011)	Arecoline augments cellular proliferation in the prostate gland of male Wistar rats.	<i>J Toxicology and Applied Pharmacology.</i>	255 (2)	160-8
14.	Pradhan D, Saha I , Chatterjee A, Mondal A, Sarkar S, Maiti BR. (2011)	Alterations of circadian rhythms of thyroid-stimulating hormone, thyroid, adrenal and insulin hormones, and blood glucose profiles following lithium treatment in alternate Light-Dark, constant Light and constant Dark regimens in rats.	<i>Biol. Rhy. Res.</i>	43(3)	301-322
15.	Saha I , Chatterji U, Chaudhuri-Sengupta S, Nag TC, Nag D, Banerjee S, Maiti BR. (2007)	Ultrastructural and hormonal changes in the pineal-testicular axis following arecoline administration in rats.	<i>J Exp Zool Part A Ecol Genet Physiol.</i>	307(4)	187-98
16.	Saha I , Chatterji U, Chaudhuri_Sengupta S, Maiti BR. (2007)	Suppression of circadian rhythm of pineal and testicular hormones following lithium treatment in normal and reversed light-dark cycles, constant light and constant dark in rats.	<i>Biol. Rhy. Res.</i>	38 (1)	19-32
17.	Dasgupta R, Saha I , Pal S, Bhattacharyya A, Sa G, Nag TC, Das T, Maiti BR. (2006)	Immunosuppression, hepatotoxicity and depression of antioxidant status by arecoline in albino mice.	<i>Toxicol.</i>	227(1-2)	94-104

13. Detail of patents.N/A

14. Books/Reports/Chapters/General articles etc.

Zoology in laboratory, Vol I, Santra publishers, Kolkata
Fundamentals of Biochemistry, Global Net publication

Research Projects:

- WB. DST project on “Delineating the role of arecoline on exosomes in oral cancer stem cells: clinical and therapeutic implications “from 2019-2022. Sanction no. 822 (Sanc.)/ST/P/S&T/2G-26/2018dated 18/06/19. **(Ongoing)**(24, 02,400/-).
- UGC minor research project on “Effect of arecoline on male reproductive system of experimentally induced diabetic rats” from 2011-2013. Sanction no. F.PSW-050/11-12 dt. 03.08.11 **(Completed)**. (1, 87,000/-)
- UGC minor research project on “Effect of arecoline on gene expression of androgen receptor present in rat prostate gland” from 2008-2010. Sanction no. F.PSW-031/07-08 dt. 21.02.08 **(completed)**. (90,000/-)

Workshops:

- Participated in national workshop for college teachers on applications of flow cytometry, cell sorting and imaging in biological research organized by CRNN and Centre for Modern Biology, university of Calcutta in 2011.

School attended:

- SERC School in chronobiology in 2011 organised by DST, GOI.

International:

- **Presented** a poster at international congress on “Diabetes and Metabolism.” organized by **Korean Diabetic Association, Seoul, Korea in 2018.**
- **Presented** a paper at international conference on “Facets of basic science and applications.” organized by Bijoy Krishna Girls’ College in 2018.
- **Presented** a paper at international conference to celebrate 100 years excellence 1919-2019 by the Zoology Department, Calcutta University in 2018.
- **Presented** a paper at international symposium on “Child welfare: a global perspective” organized by Charu Chandra College in 2018.
- **Presented** a paper at international conference on “Contemporary health issues and environmental impact.” organized by Sarojini Naidu College for Women in 2017.
- **Presented** a paper at international symposium on “Current trends in endocrine and reproductive health” organized by the **Society for Reproductive Biology and Comparative endocrinology in 2011.**

National:

- **Presented** paper in national seminar on “Future India: Science and technology” organized by Department of Zoology, City College and ISCA in 2019.
- **Presented** paper in national seminar on “Dimensions Biotechnology in human health and environment” organized by Department of Zoology, Jaipuria College in 2018.
- **Presented** paper in national seminar on “Recent advances in biological sciences” organized by Department of Microbiology, Gurudas College in 2017.
- **Presented** paper in Regional Science and Technology Congress in 2016.
- **Presented** paper in national seminar on “Biophysics: impact on today’s society” organized by Department of Zoology, Victoria Institution College in 2016.
- **Presented** paper in national seminar on “From molecules to ecosystem- a zoological perspective” organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College in 2016.
- **Presented** paper in national seminar on “Environmental impacts on health: towards a better future.” organized by Department of Zoology, Bangabasi Morning College in 2015.

Membership:

- Life member of Zoological Society of India, Kolkata
- Life member of Society for Reproductive Biology and Comparative Endocrinology, Chennai
- Fellow member of IAAR, Tamilnadu

Reviewer:

- American Journal of Zoology
- Asian Research Journal of Gynaecology and Obstetrics.
- Advance in Science, Technology and Engineering Systems Journal.
- Acta Endocrinologica.
- Biological Rhythm Research