


Curriculum Vitae

Full Name:	INDRASHIS BHATTACHARYA			
Designation:	ASST. PROF.			
Department:	ZOOLOGY			
Campus:	SRINAGAR			
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Education Qualification:	Degree, MSc, Delhi University, PhD University, JNU Year 2005 and 2011			
Teaching Experience:	_10_ Years	Research Experience:	_15_ Years	
Research Interest and Fields of Specialization <ol style="list-style-type: none"> 1. Molecular Endocrinology 2. Developmental Biology 3. Reproduction 				
Honours & Awards <ol style="list-style-type: none"> 1. NIH (US) Funded Advanced course work on Reproductive Biology called "Frontiers in Reproduction" at Marine Biological Laboratory, Woods Hole, MA, USA from May 2nd to June 11th- 2015. 2. International Travel Award by SERB-DST, Govt. of India, Aug 2016 for participating Gordon Research Conference on Mammalian Reproduction, NH, USA. 3. Prof. G.P. Talwar Young Scientist Gold Medal Award by ISSRF at ICT, Hyderabad, Feb_25_2018. 4. International Travel Award by Company of Biologists, UK for paper presentation at VIIIth International Symposium on Vertebrate Sex Determination in Kona, Hawaii, USA, during April-16-20-2018. 				
Member of Academic Institutions NIL				
Membership of Scientific Organizations <ol style="list-style-type: none"> 1. Indian Society for the Study of Reproduction & Fertility (ISSRF), in Feb 2014, Membership id: 1168. 2. Society for Reproductive Biology & Comparative Endocrinology (SRBCE), in Feb 2015, Membership id: 447. 				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered) 01- Topic-"Evaluation of Season and Sex specific Differential Testicular Transcriptome Analysis in Schizothorax plagiostomus"				
Research Projects/ MoU undertaken Title, Funding Agency, Total Cost, Completed/Ongoing <ol style="list-style-type: none"> 1. UGC Start Up Grant: UNDER THE MHRD/UGC - Empowered Committee's Basic Science Research (BSR) Programme for 6 Lakhs titled "Evaluation of hormone induced gonadal differentiation in adult gold fish Carassius auratus", March-2015 to March-2017. 2. DST_SERB Early Career Research Award, titled "Evaluation of Season and Sex specific Differential Gonadal Transcriptome Analysis in Schizothorax plagiostomus", of Rs 41, 61, 432 /-only, approved March_2019 to March_ 2022, Reference No : 242018002277. 				
Administrative Experience				

1. Student Advisor BSc –Zoology 1st/2nd Sem, July-2015-May-2018.
2. Student Advisor MSc-Zoology 1st/2nd Sem, July-2018- Till now.

Scientific Visits Abroad/ International Collaboration

1. POSTER Presentation at VIIIth International Symposium on Vertebrate Sex Determination at Kona, Hawaii, USA, during April-16-20-2018.
2. POSTER presentation at “Gordon Research Conference” on Mammalian Reproduction (<https://www.grc.org/programs.aspx?id=16762>) at Waterville Valley, NH, USA during Aug 21th to 26th-2016.
3. NIH (US) Funded Advanced course work on Reproductive Biology called “Frontiers in Reproduction” at Marine Biological Laboratory, Woods Hole, MA, USA from May 2nd to June 11th-2015.

Conference/Symposium/Workshop Attended during last five years (2015-2020)

International

Attended/Presented Paper/Invited Talk/Keynote Address/Session Chair, Title of event, place, date, year

1. Poster presentation in the World Congress on the Reproductive Health and 30th Annual Meeting of ISSRF, from Feb-14 to Feb-16-2020, at SMVDU, Katra, Jammu, J & K, India.
2. Invited Presentation at International Conference on MOLECULAR SIGNALLING, NCCS, Pune, during Jan_23-25_2019.
3. Invited Talk in International Conference on Reproduction, Endocrinology and Development (ICRED '19) from Jan_19-21_2019 at Navrachana University, Varodara.
4. Poster Presentation at VIIIth International Symposium on Vertebrate Sex Determination at Kona, Hawaii, USA, during April-16-20-2018.
5. Prof. G.P. Talwar Award Lecture at IICT, Hyderabad, Feb_25_2018.
6. Invited Short Talk at International Conference on MOLECULAR SIGNALLING, University of Hyderabad, during Feb 8-10-2018.
7. Oral Presentation in the International Symposium and 35th Annual Meeting organized by Dept. Animal Sciences, University of Hyderabad, during Feb 9-11-2017.
8. Poster presentation in the International Conference of Reproductive Health and 27th Annual Meeting of ISSRF, from Jan-23 to Jan25-2017, at AIIMS, New Delhi.
9. POSTER presentation at “Gordon Research Conference” on Mammalian Reproduction (<https://www.grc.org/programs.aspx?id=16762>) at Waterville Valley, NH, USA during Aug 21th to 26th-2016.
10. Invited talk in the International Symposium on Integrative Physiology and Comparative Endocrinology (ISIPCE) organized by Dept. of Zoology, BHU, Varanasi during Feb 12-14-2016.
11. Invited talk in the International Conference on MOLECULAR SIGNALLING: RECENT TRENDS IN BIOMEDICAL AND TRANSLATIONAL RESEARCH , Nov 20th-22nd 2015, NEHU, Shillong, India.
12. Oral Presentation in the 18th Annual Symposium of “Frontiers in Reproduction” at Woods Hole, MA, USA from June 11th to June 13th-2015.

National

NIL

Conference/Symposium/Workshop Organized during last five years (2015-2020)

1. Chairman/Convener/Organizing Secretary, Title of event, place, date, year

NIL

Publications during last five years (2015-2020)

Journals

Title of Paper, All Authors (Surname First), Name of Journal, Volume No, Page Nos., Year of publication (Impact Factor)

1. Pubertal down regulation of Tetraspanin8 in testicular Sertoli cells is crucial for male fertility, Bhola Shankar Pradhan#, Indrashis Bhattacharya#, Rajesh Sarkar and Subeer S Majumdar, Mol Hum Reprod. 2020 Oct 1;26(10):760-772. doi: 10.1093/molehr/gaaa055. # = Equal Contribution [IMPACT FACTOR: 3.8]
2. Downregulation of Sostdc1 in Testicular Sertoli Cells is Prerequisite for Onset of Robust Spermatogenesis at Puberty. Bhola Shankar Pradhan, Indrashis Bhattacharya, Rajesh Sarkar and Subeer S Majumdar, Scientific Reports, 2019 Aug 7;9(1):11458. doi: 10.1038/s41598-019-47930-x. IMPACT FACTOR: 4.5
3. Pubertal orchestration of hormones and testis in primates. Indrashis Bhattacharya, Souvik Sensharma and Subeer S Majumdar, Mol Reprod Dev. 2019 Nov;86(11):1505-1530. doi: 10.1002/mrd.23246. Epub 2019 Aug 1. IMPACT FACTOR: 3
4. Testosterone augments FSH Signaling by upregulating the expression and activity of FSH-Receptor in Pubertal Primate Sertoli cells. Indrashis Bhattacharya; Sayon Basu; Bhola Shankar Pradhan; Hironmoy Sarkar; Perumal Nagarajan; Subeer S Majumdar, Molecular and Cellular Endocrinology, 2019 Feb 15;482:70-80. doi: 10.1016/j.mce.2018.12.012. Epub 2018 Dec 21 [IMPACT FACTOR: 4]
5. Hormone induced differential transcriptome analysis of Sertoli cells during postnatal maturation of rat testes. Mukesh Gautam* Indrashis Bhattacharya*, Umesh Rai and Subeer S Majumdar, PLoS ONE, 2018, 13(1): e0191201.https://doi.org/10.1371/journal.pone.0191201. *Equal contribution [IMPACT FACTOR: 3]
6. Advantages of pulsatile hormone treatment for assessing hormone induced gene expression by cultured rat Sertoli cells. Indrashis Bhattacharya, Mukesh Gautam, Hironmoy Sarkar, Mansi Shukla and Subeer S Majumdar. Cell and Tissue Research 2017. May;368(2):389-396. doi: 10.1007/s00441-016-2410-1. [IMPACT FACTOR: 3.5]
7. Hormone responsiveness of cultured Sertoli cells obtained from adult rats after their rapid isolation under less harsh condition. Mukesh Gautam*, Indrashis Bhattacharya*, Yendrebam Sangeeta Devi, Satyapal Arya and Subeer S Majumdar. Andrology 2016 May;4(3):509-19. doi: 10.1111/andr.12161). *Equal contribution [IMPACT FACTOR: 3]
8. Male Infertility-Present and Future. Indrashis Bhattacharya and Subeer S Majumdar. MGM Journal of Medical Sciences, 2015,2(1): 16-24.
9. Low levels of Gas and Ric8b in testicular Sertoli cells may underlie restricted FSH action during infancy in primates. Indrashis Bhattacharya, Sayon Basu, Kanchan Sarda, Mukkesh Gautam, Perumal Nagarajan, Bhola Shankar Pradhan, Hironmoy Sarkar, Yendrebam Sangeeta Devi and Subeer S. Majumdar , Endocrinology , 2015 Mar;156(3):1143-55. [IMPACT FACTOR: 4.4]
10. [The Effect of IBMX and hormones on gene expression by rat Sertoli cells, Indrashis Bhattacharya , Mukkesh Gautam and Subeer S Majumdar , Journal of Reproductive Health and Medicine, 2015, Volume 1, Issue 1, Pages 29-40 \(January–June\).](#)

Proceedings

Title of Paper, All Authors (Surname First), Name of conference, Date & Year

THE EFFECT OF PULSATILE TREATMENT OF FSH AND TESTOSTERONE ON DIFFERENTIAL GENE EXPRESSION IN RAT SERTOLI CELLS DURING POSTNATAL TESTICULAR MATURATION. Indrashis Bhattacharya, Mukkesh Gautam, Bholashankar Pradhan, PhD and Subeer Majumdar. Andrology, © 2015 American Society of Andrology and European Academy of Andrology , 2015,

Supplement 1, pg-121. [IMPACT FACTOR: 2.8]

Books

Authors, Title of book, Publisher, year

1. "Sex Determination in Telesot fishes" in "Molecular Endocrinology and Reproductive Physiology of Fish" J. Sundaray et al. (eds.), Recent updates in molecular Endocrinology and Reproductive Physiology of Fish, Springer Nature Singapore Pte Ltd. 2021, https://doi.org/10.1007/978-981-15-8369-8_9.
2. "Pubertal Maturation of Testicular Sertoli cell and its Association with Male Infertility" in "Updates on Integrative Physiology and Comparative Endocrinology' Volume 1, Section-II-Chapter-12", Edited by Prof. Chandana Haldar et al. BHU, Press, (2016), ISBN- 81-85305-72-2:261-274,.
3. Chapter no. 92 on "Male Reproductive System and sexual dysfunction" in "Text Book of Biochemistry, Biotechnology, Allied & Molecular Medicine". 4th Ed. PHI Ptv. Delhi, edited by Prof. G.P. Talwar, (Jan, 2016) ISBN-978-81-203-5125-7, First Pg-1097.
4. Chapter no. 100 on "Reproductive and Therapeutic Cloning" in the "Text Book of Biochemistry, Biotechnology, Allied & Molecular Medicine". 4th Ed. PHI Ptv. Delhi, edited by Prof. G.P. Talwar, (Jan, 2016) ISBN-978-81-203-5125-7, First Pg-1171.

Total Number of Research Publications: 19