CURRICULUM VITAE

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Assistant Professor
Department of Obstetrics and Gynecology
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EDUCATION:

1990 BSc, Banaras Hindu University, Varanasi, India
1992 MSc, Banaras Hindu University, Varanasi, India
1993 BEd., Banaras Hindu University, Varanasi, India
1999 Ph.D., Banaras Hindu University, Varanasi, India

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

2000-2003 Postdoctoral Fellow, Institute of Zoology, Academia Sinica, Taipei, Taiwan.
2003-2006 Postdoctoral Fellow, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.
2006-2010 Research Associate, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.

FACULTY APPOINTMENTS:

2010-2015: Instructor, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA
2015-**Present**: Assistant Professor, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA

ADMINISTRATIVE APPOINTMENTS:

2012 (September)-2013 (November): Faculty Development Committee Member, Morehouse School of Medicine, Atlanta, USA.
2012 (September)-**Present**: Admission Committee Member for MD Program, Morehouse School of Medicine, Atlanta, USA.
2013 (December 3-7): Selection Committee Member, Rehabilitative and Regenerative Medicine for Minority Health and Health Disparities, Washington D.C., USA.
2013 (December 8-13): Selection Committee Member, Frontiers in Stem Cells in Cancer, Washington D.C., USA.
2014 (May 11-16): Coordinator, Frontiers in Aging and Regenerative Research, Advanced Training Course, Atlanta, USA.
2014 (June 24-27): Coordinator, Rehabilitative and Regenerative Medicine for Minority Health and Health Disparities (REMEDY), Atlanta, USA.
2015 (April)-**Present**: Admission Committee Member for Apex, Morehouse School of Medicine, Atlanta, USA.
2015 (April)-**Present**: Admission Committee Member for the Master of Science in Medical Sciences (MSMS) degree program, Morehouse School of Medicine, Atlanta, USA.
2015 (December)-**Present**: Selection Committee Member for the Residency Program, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.
2016 (June 19-24): Selection Committee Member, Frontiers in Stem Cells in Cancer, Advanced Training Course at Ponce Health Sciences University, Ponce, Puerto Rico, USA.

2016 (July)-**Present**: Graduate Committee Member for the Philosophy of Doctorate, Morehouse School of Medicine, Atlanta, USA.
2017 (February 5-11): Coordinator, Frontiers in Stem Cells in Cancer, Advanced Training Course, Atlanta, USA.
2017 (May 14-19): Coordinator, Frontiers in Aging and Regenerative Research, Advanced Training Course, Atlanta, USA.

AWARDS AND HONORS:

Fellowships

1993-1995: Junior Research Fellow, University Grants Commission, Ministry of Education, Government of India.
1995-1998: Senior Research Fellow, University Grants Commission, Ministry of Education, Government of India.
2002-2003: Sinica Post-doctoral Fellow, Institute of Zoology, Academia Sinica, Taipei, Taiwan.
2012: National Cancer Institute (NCI) Fellowship for Frontiers in Stem Cells in Cancer, Washington, DC, USA.

Travel Awards

1997: Travel scholarship, Department of Science and Technology, India to attend XIIIth International Congress of Comparative Endocrinology, Yokohama, Japan.
1997: Travel scholarship, International Congress of Comparative Endocrinology to attend XIIIth International Congress of Comparative Endocrinology, Yokohama, Japan.
2008: Judge travel Award, Annual Biomedical Research Conference for Minority Students (ABRCMS), Orlando, Florida, USA.
2012: National Cancer Institute Fellowship for Frontiers in Stem Cells in Cancer, Washington, DC, USA.
2013: National Cancer Institute Fellowship for Frontiers in Stem Cells in Cancer, Washington, DC, USA.

APPRECIATIONS:

2010 (July): Certificate of Appreciation, Vivien Thomas Research Program, Morehouse School of Medicine, Atlanta, GA, USA.
2010 (October): Caspases – an update: By I. Chowdhury, B. Tharakan and GK Bhat. Awarded Top cited article in Comparative Biochemistry and Physiology- Part B, Biochemistry and molecular biology for the year 2008-2010.
2011 (June): Certificate of Appreciation, Department of Physiology, Morehouse School of Medicine, Atlanta, GA, USA.
2011 (July): Certificate of Appreciation, Vivien Thomas Research Program, Morehouse School of Medicine, Atlanta, GA, USA.
2011 (July): "What's new", Editor's highlights on Trichomoniasis: evaluation to execution. Harp D and Chowdhury I. European Journal of Obstetrics and Gynecology 157: 1-2.
2011: Recognition, Repropedia, a reproductive dictionary created by scientists and clinicians at Center for Reproductive Research, Northwestern University, Chicago, Illinois.
2011 (November): Trichomoniasis: evaluation to execution. Harp D and Chowdhury I. Top 25 hottest article in Medicine and Dentistry, European Journal of Obstetrics & Gynecology and Reproductive Biology.
2011 (August)–2012 (December): Recognition, Planning Forum Team for Women's Health Symposium, the Research Centers in Minority Institutions (RCMI), USA.
2012 (July): Certificate of Appreciation, Vivien Thomas Research Program, Morehouse School of Medicine, Atlanta, GA, USA.
2012 (December): Certificate of appreciation for outstanding service, The Research Centers in Minority Institutions (RCMI) International Symposium- RTRN Cafe (Women's Health), San Juan, Puerto Rico, USA.
2013 (July): Certificate of Appreciation, Vivien Thomas Research Program, Morehouse School of Medicine, Atlanta, GA, USA.
2013 (August)–2014 (December): Planning Forum Team for Women's Health Symposium, 2014 Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimension of US and Global Health Equity, USA.

2013 (December 8-13): Certificate of appreciation for Exceptional Teaching Excellence, the Frontiers in Stem Cell in Cancer-Advanced Training Course at Howard University, Washington, D.C, USA.

2014 (July): Certificate of Appreciation, Vivien Thomas Research Program, Morehouse School of Medicine, Atlanta, GA, USA.

2014 (May 11-16) – Certificate of appreciation for Exceptional Teaching Excellence, the Mouse model in reproduction, Frontiers in Aging and Regenerative Research, Advanced Training Course, Morehouse School of Medicine, Atlanta, USA

2014 (December): Certificate of appreciation for outstanding service, Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimension of US and Global Health Equity, Washington DC, USA.

2015 (July 23): Second prize for poster presentation, Indrajit Chowdhury, Roland Matthews and Winston E. Thompson (July 22-23, 2015). Prohibitin (PHB) roles in granulosa cell physiology. MSM/TU/UAB at Birmingham Comprehensive Cancer Center Partnership, Tuskeegee University, Alabama, USA.

2016 (July 27): First prize for poster presentation, Indrajit Chowdhury, Roland Matthews and Winston E. Thompson (July 26-27, 2016). Gonadotropin dependent expression of Neuregulin-1β regulates granulosa cell survival. MSM/TU/UAB CCC Partnership 2016, Atlanta, GA, USA.

2016 (August) Cover page image from published article [Indrajit Chowdhury, Kelwyn Thomas, Anthony Zeleznik and Winston E. Thompson (2016). Prohibitin regulates the FSH signaling pathway in rat granulosa cell differentiation. J. Molecular Endocrinol. 56(4):325-36)] in J Molecular Endocrinol. August 2016, Volume 57, Number 2.

2016 (November 11-13): Delegate, the Sigma Xi Student Research Conference, Sigma Xi, Atlanta, GA, USA.

2017 (October 29): Moderated Poster-"Curcumin potential endometriosis therapy", Indrajit Chowdhury, Saswati Banerjee, Sherifeh Mehrabi, Adel Driss, Wei Xu, Neil Sidell, Robert N. Taylor and Winston E. Thompson. Research Centers in Minority Institutions (RCMI) Translational Science 2017, Washington DC, USA.

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1994-**Present**: Society for Reproductive Biology and Comparative Endocrinology (SRBCE), India (**Life member**).

1997-2003: International Congress of Comparative Endocrinology.

2001-2003: Chinese Society of Laboratory Animal Sciences, Taiwan

2001-2002: Asian Fisheries Forum, Asia.

2002-2003: Asia-Oceania Society for Comparative Endocrinology

2008-2009: Annual Biomedical Research Conference for Minority Students (ABRCMS), USA.

2009-2012: Center of Disease Control and Prevention, CDC Foundation Collaboration Roundtable, Atlanta, USA.

2004-2006: Research Centers in Minority Institutions (RCMI), USA.

2010-2015: Research Centers in Minority Institutions (RCMI), USA.

2004-**Present**: Society for the Study of Reproduction (SSR), USA.

2008-**Present**: Sigma Xi, USA (**Elected member**)

2013-**Present**: Sigma Xi, USA (**Delegate**)

2009-**Present**: Frontiers in Bioscience, New York, USA **(Elected member)**

2012-**Present**: Frontiers in Stem Cells in Cancer, Washington, DC, USA.

2015-**Present**: MHRC Health Disparities Research Training Program (HDRTP), at Birmingham Comprehensive Cancer Center Partnership, University of Birmingham, Birmingham, AL, USA.

2015-2017: American Society for Microbiology, Washington, DC, USA.

2017-**Present**: Endocrine Society, Washington DC, USA**.**

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Managing Editor

2009 (April)-2015 (June): Recent Progress in Reproductive Biology, Frontiers in Bioscience, New York, USA.

2015 (July)-**present**: Recent Progress in Reproductive Medicine, Frontiers in Bioscience, New York, USA.

2014 (May)-(2017): D. Majumdar, B. Ghosh and I. Chowdhury**.** Recent Advances in Carbohydrates and Glycoconjugates, In Frontiers in Chemistry, section Medicinal and Pharmaceutical Chemistry, Lausanne, Switzerland.

Editorial Board

2009 (April)-2015 (June): Frontiers in Bioscience, Special volume on "Recent progress in reproductive biology", New York, USA.
2015 (July)-**present**: Frontiers in Bioscience, Special volume on "Recent progress in reproductive Medicine", New York, USA.
2011 (April)-**present**: Repropedia**,** Center for Reproductive Research, Northwestern University, Chicago, Illinois.
2014 (August)-**present**: Austin Journal of Reproductive Medicine and Infertility, New Jersey, USA.
2016 (March)-**present**: BAOJ Allergy & Immunology, BIO ACCENT GROUP LLC, Wilmington, DE, USA.
2016 (June)-**present**: BAOJ Obesity & Weight Loss Management, BIO ACCENT GROUP LLC, Wilmington, DE, USA.
2016 (September)-**present**: Advantages of Global Women's Health (GWH) Journal, Applis Publishers LLC, Scottsdale, Arizona, USA. (http://applispublishers.com/global-womens-health-gwh/).

Reviewer

2009 (April) - **present**: Frontiers in Bioscience, New York, USA.
2011 (April): Grant Reviewer, The Austrian Academy of Sciences, Austria.
2011 (October) - **present**: Journal of Assisted Reproduction and Genetics, Springer Science and Business Media, LLC, NY, USA.
2011 (October): FEBS Journal, Wiley-Blackwell, USA.
2012 (April) - **present**: Cell and Tissue Research, Springer Science and Business Media, LLC, NY, USA.
2012 (August) - **present**: Reproduction, Society for Reproduction and fertility, Bristol, UK.
2013 (January) - **present**: J. Molecular Endocrinology, Society for Endocrinology, USA
2013 (July) – **present**: British Journal of Cancer, Nature Publishing Group, UK.
2014 (March) – **present**: Tumor Biology, Springer Science and Business Media, LLC, NY, USA.
2014 (September)-**present**: J. Cellular Physiology, Wiley Inc., MA, USA.
2015 (January) - **present**: Austin Journal of Reproductive Medicine and Infertility, New Jersey, USA.
2015 (January) - **present**: The Reproductive Sciences, SAGE publishers, UK.
2015 (April) - **present**: Current Cancer Drug Targets, Bentham Science Publishers, USA.
2015 (October) - **present**: Biomolecules, MDPI AG, Basel, Switzerland.
2015 (October) - **present**: Journal of Molecular Cell Biology, Oxford Journals, Shanghai, China.
2015 (October) - **present**: The Journal of Steroid Biochemistry and Molecular Biology, Elsevier Publishers, Oberschleissheim, Germany.
2015 (October) - **present**: The Protein Journal, Springer Publishers, USA.
2016 (January) - **present**: DNA and Cell Biology, Mary Ann Liebert, Inc. Publishers, New York, USA.
2016 (March) - **present**: Cellular Oncology, International Society for Cellular Oncology, Springer Science and Business Media, LLC, UK.
2016 (April) - **present**: J. Ovarian Research, BioMed Central, London, UK.
2016 (April) - **present**: Journal of Biotechnology, Elsevier Publishers, Oberschleissheim, Germany.
2016 (August) - **present**: General and Comparative Endocrinology, Elsevier Publishers, USA.
2016 (August) - **present**: Oncotarget, NewYork, USA.
2016 (November) - **present**: Phytomedicine, Elsevier Publishers, USA.
2017 (October) - **present**: Journal of Experimental & Clinical Cancer Research, BioMed Central, Italy.

TEACHING AND MENTORSHIP ACTIVITIES:

1993-2000: Supervisor for under-graduate (MS) students, Department of Zoology, Banaras Hindu University, Varanasi, India.
1998-2000: Mentor for under-graduate (MS) student seminars, Department of Zoology, Banaras Hindu University, Varanasi, India.
2001-2003: Mentor for under-graduate and graduate students, Institute of Zoology, Academia Sinica, Taipei, Taiwan.

2005: Teaching Assistant for graduate (PhD) students, Morehouse School of Medicine, Atlanta, USA
2003-**present**: Mentor, Doctor of Medicine (MD), Under-graduate (MS) and Graduate (PhD) students, Morehouse School of Medicine, Atlanta, USA.
2008-**Present**: Mentor, Vivian Thomas Summer Research Program, Morehouse School of Medicine, Atlanta, USA.
2011-2015: Mentor, Atlanta Center for Translational Research on Endometriosis (ACTRE), Morehouse School of Medicine, Atlanta, USA.
2011-**present**: Special lecture on "Pregnancy-Parturition-Lactation-Menopause" for Medical students, Morehouse School of Medicine, Atlanta, USA.
2014-**present**: Special lecture on "Female reproduction" for Medical students, Morehouse School of Medicine, Atlanta, USA.
2012-**present**: Reviewer, Physiology Mini Board Exam, Medical students, Morehouse School of Medicine, Atlanta, USA.
2015-**present**: Mentor, Innovation MD Learning community, Morehouse School of Medicine, Atlanta, USA.
2016-**present**: Member, Graduate (PhD) committee, Morehouse School of Medicine, Atlanta, USA.

Facilitator
2011 (September 12): Critical reading and Critical Thinking, MPH, Morehouse School of Medicine, Atlanta, USA.
2012 (February 22)-**present**: Physiological Small Group Discussion, Endocrine Clinical Cases 2011-2016, Morehouse School of Medicine, Atlanta, USA.
2015 (February 18)-**present**: Physiological Small Group Discussion, Endocrine Pathophysiology Cases, 2015-2017, Morehouse School of Medicine, Atlanta, USA.
2015 (July)-**present**: Innovation MD Learning community, Morehouse School of Medicine, Atlanta, USA.

CONFERENCE SESSION CHAIRED/CO-CHAIRED:
2007 (July): Co-Chaired Platform Session 18: "Signal transduction in the ovary I: Granulosa cells" at 40th Annual Meeting of the Society for the Study of Reproduction, SanAntonio, Texas, USA.
2014 (December): Chaired, Session-Improving Women's Health Across the Life Span, 2014 Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimension of US and Global Health Equity, Washington DC, USA.

JUDGE:
1998-2000: Under graduate (MS) student seminar series, Department of Zoology, Banaras Hindu University, Varanasi, India.
2008 (November): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), Orlando, Florida.
2010 (April): 2nd Division of Science and Mathematics Interdisciplinary Conference, Global Interdisciplinary Research in Energy, the environment and Health, Atlanta, USA.
2011 (February 9): Morehouse Innovation EXPO, Morehouse College, Atlanta, USA.
2011 (February 8): Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2011 (July- October): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), St. Louis, Missouri, USA.
2012 (February 8): Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2012 (February 15): Morehouse Innovation EXPO, Morehouse College, Atlanta, USA.
2012 (September): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), San Jose, California, USA.
2013 (February 8): Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2013 (March 18-22): The Sigma Xi Student Research Showcase, Sigma Xi, Research Triangle Park, NC, USA.
2013 (September): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), Nashville, Tennessee, USA.

2014 (March 17-22): The Sigma Xi Student Research Showcase, Sigma Xi, Research Triangle Park, NC, USA.
2014 (April 23): Judge, Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2014 (September): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), San Antonio, TX, USA.
2014 (December 1-3): 2014 Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimension of US and Global Health Equity, Washington DC, USA.
2015 (February 10): Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2015 (March 23-29): The Sigma Xi Student Research Showcase, Sigma Xi, Research Triangle Park, NC, USA.
2015 (September 17-19): The Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society for Microbiology (ASM), Seattle, Washington, USA.
2016 (February 10): Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA
2016 (November 11-13): The Sigma Xi Student Research Conference, Sigma Xi, Atlanta, GA, USA.
2017 (February 8): Judge, Curtis L. Parker Student Research Symposium, Morehouse School of Medicine, Atlanta, USA.
2017 (April 4-11): 2017 Student Research Showcase, Sigma Xi, Research Triangle Park, NC, USA.
2017 (October 27): Judge, Undergraduate Research Poster Competition, BDN Conference, Atlanta, USA.

INVITED LECTURTES:

2002 (May): A comparative molecular cloning and sequence analysis of cDNA encoding thyroid stimulating hormone and β-subunit of pituitaries of different vertebrate species and *in vivo* regulation of their steady-state expression level. Department of Zoology, Banaras Hindu University, Varanasi, India.
2006 (August): Understanding of prohibitin mediated regulation of proliferation and differentiation in mammalian cells. Department of Zoology, Banaras Hindu University, Varanasi, India.
2009 (August): Prohibitins Mediate the Effect of Follicle Stimulating Hormone (FSH) Plus Testosterone on Rat Granulosa Cells Differentiation. Department of Zoology, Banaras Hindu University, Varanasi, India.
2011 (June 7): Prohibitin and folliculogenesis, Grand Round, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.
2012 (May 3): Nanotechnology in ovarian cancer therapeutics, Frontiers in Stem Cells in Cancer, Washington, DC, USA.
2013 (April 2): Nanotechnology in ovarian cancer therapeutics, Grand Round, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.
2016 (February 2): Endometriosis-Diagnosis, Pathophysiology, Management and Current Research. Grand Round, Department of Obstetrics and Gynecology, Morehouse School of Medicine, Atlanta, USA.
2016 (June 16): Endometriosis-Alternative therapy. Department of Obstetrics and Gynecology, Medical College of Georgia, Augusta University, Augusta, GA, USA.

PLATFORM PRESENTATION IN SYMPOSIUM

1995: National Symposium on Reproduction Biology and Comparative Endocrinology, Osmania University, Hyderabad, India.
1996: National Symposium on Reproduction Biology and Comparative Endocrinology, Gujarat University, Ahmedabad, India.
1996: Symposium on Emerging Frontiers in Hormone Research, Banaras Hindu University, Varanasi, India
1998: National Symposium on Advances in Endocrine Research and its relative Biotechnology, Utkal University, Bhubaneshwar, India.
2001: The Sixth Asian Fisheries Forum, Asian Fisheries Society, Kaohsiung, Taiwan.
2002: The twelve Asia-Oceania Congress of Endocrinology, Taipei, Taiwan
2002: The fourth Inter-congress Symposium of the Asia-Oceania Society for Comparative Endocrinology, Guangzhou, China.

2002: The seventh Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan
2004: The thirty seventh Annual Meeting of the Society for the Study of Reproduction, Vancouver, Canada.
2004: The ninth Research Centers in Minority Institutions Conference, Baltimore, USA.
2009: The forty second Annual Meeting of the Society for the Study of Reproduction, Pittsburg, USA.
2010: The forty third Annual Meeting of the Society for the Study of Reproduction, Milwaukee, USA.
2010: The twelfth Research Centers in Minority Institutions (RCMI) Conference, Nashville, Tennessee, USA.
2011: The forty fourth Annual Meeting of the Society for the Study of Reproduction, Portland, Oregon, USA.
2014: The forty seventh Annual Meeting of the Society for the Study of Reproduction, Grand Rapids, Michigan, USA.
2016: (April 21). UAB Health Disparities Research Symposium**,** University of Birmingham, Birmingham, Alabama, USA.
2017: 50th Annual Meeting of the Society for the Study of Reproduction (SSR), Washington, D.C., USA.

PUBLICATIONS:

Managing editor

1. I. Chowdhury (January & June, 2011). Recent progress in Reproductive Biology, In "Frontiers in Bioscience", Albertson, NY, USA.
2. I. Chowdhury (January & June, 2012). Recent progress in Reproductive Biology, In "Frontiers in Bioscience", Albertson, NY, USA.
3. I. Chowdhury (January & June 2013). Recent progress in Reproductive Biology, In "Frontiers in Bioscience", Albertson, NY, USA.
4. I. Chowdhury (January & June, 2014). Recent progress in Reproductive Biology, In "Frontiers in Bioscience", Albertson, NY, USA.
5. I. Chowdhury (June, 2016). Recent progress in Reproductive Biology, In "Frontiers in Bioscience", Albertson, NY, USA.
6. I. Chowdhury (January, 2017). Recent progress in Reproductive Medicine, In "Frontiers in Bioscience", Albertson, NY, USA.

Research publications

1. I. Chowdhury and K. P. Joy (1997). Dynamics of andogenic control of the glycosidases, B-glucuronidase and B-N-acetylglucosaminidase in seminal vesicle and testis of the catfish *Heteropneustes fossilis* (Bloch). Advances in Comparative Endocrinology, Vol. II (Eds. S. Kawashima and S. Kikuyama), Yokohama, Japan, pp 1653-1658.
2. I. Chowdhury and K. P. Joy (2000). Annual cyclic variations in some biochemical constituents of seminal vesicle and testis of the catfish *Heteropneustes fossilis* (Bloch): a study correlating plasma testosterone level. Acta Biol. Hung. 51 (1), 53-62.
3. I. Chowdhury and K. P. Joy (2000). Effects of administration of testosterone on some biochemical correlates in seminal vesicle of *Heteropneustes fossilis* (Bloch) during preparatory phase: a study correlating changes in plasma testosterone level and testis activity. Indian J. Exp. Biol., 38, 713-719.
4. I. Chowdhury and K. P. Joy (2001). Responses of seminal vesicle and testicular B-glucuronidase and B-N-acetylglucosaminidase to testosterone and some metabolites in *Heteropneustes fossilis* (Bloch). J. Exp. Zool., 290, 777-782.
5. I. Chowdhury and K. P. Joy (2001). Effects of castration and cyproterone acetate on some biochemical constituents of the seminal and / or in the catfish *Heteropneustes fossilis* (Bloch). Netherlands J. Zoology, 51 (1), 51-69.
6. I. Chowdhury and K. P. Joy (2001). Seminal vesicle and testis secretions in *Heteropneustes fossilis* (Bloch): composition and effects on sperm motility and fertilization. Aquaculture, 193, 355-371.
7. I. Chowdhury and K. P. Joy (2001). Cation (Na^+, K^+ and Ca^{2+}) composition and osmolality of seminal vesicle and testis fluids and their role in sperm motility in the catfish *Heteropneustes fossilis*: Perspective in Comparative Endocrinology: Unity and Diversity, (Ed. H. J. Th. Goos, R. K. Rastogi, H. Vaudry and R. Pierantoni), pp 1243-1248.
8. M. S. Singh, K. P. Joy, V. S. Raj and I. Chowdhury (2002). Testosterone-induced changes in protein profiles of seminal vesicle and testis in the catfish, *Clarias batrachus*: a SDS-PAGE study. J. Fish Soc.

Taiwan, 29 (2), 107-116.

9. J. Y. L. Yu, I. Chowdhury and A. Chatterjee (2002). Studies on factors regulating pituitary glycoprotein hormone alpha (PGH-A) and thyrotropin beta (TSH-B) gene expression in big head carp *Aristichthys nobilis*. Proceeding of the 21st Conference of European Comparative Endocrinologist (Eds. R. Keller, H. Direksen, D. Sedlmeier and H. Vaudry), Bonn, Germany; 479-484.
10. I. Chowdhury, J. T. Chien, A. Chatterjee and J. Y. L. Yu (2004). *In vitro* effects of mammalian leptin, neuropeptide-Y, β-endorphin and galanin on transcript levels of thyrotropin β and common α subunit mRNAs in the pituitary of bighead carp (*Aristichthys nobilis*). Comp. Biochem. Physiol., 139, 87-98.
11. I. Chowdhury, J. T. Chien, A. Chatterjee and J. Y. L. Yu (2004). Effects of leptin and neuropeptide-Y on transcript levels of thyrotropin beta and common alpha subunits of rat pituitary cells *in vitro*. Life Sci., 75, 2897-2909.
12. J. Y. L. Yu, I. Chowdhury, A. Chatterjee and J. T. Chien (2004). Leptin and neuropeptide-Y modulate steady state mRNA levels of thyrotropin beta and common alpha subunits in cultured rat pituitary cells. Proceeding of 12th International Congress of Endocrinology, Lisbon, Portugal; pp 747-750.
13. J. T. Chien, I. Chowdhury, Y. S. Lin, C. F. Liao, S. T. Shen and J. Y. L. Yu (2006). Molecular cloning and sequence analysis of a cDNA encoding pituitary thyroid stimulating hormone β-suunit of the Chinese soft-shell turtle *Pelodiscus sinensis* and regulation of its gene expression. Gen. Comp. Endocrinol., 146, 74-82.
14. YL Hsieh , I Chowdhury, JT Chien , A Chatterjee and JY Yu (2007). Molecular cloning and sequence analysis of the cDNA encoding thyroid-stimulating hormone beta-subunit of common duck and mule duck pituitaries: in vitro regulation of steady-state TSHbeta mRNA level. Comp Biochem Physiol B Biochem Mol Biol. 146(3):307-17.
15. I. Chowdhury, W. Xu, J. Stiles, A. Zeleznik, X. Yao, R. Mathews, K. Thomas and W. E. Thompson (2007). Apoptosis of rat granulosa cells after staurosporine and serum withdrawl is suppressed by adenovirus directed overexpression of prohibitin. Endocrinology, 148, 206-217.
16. Arianne L. Theiss, Hamed Laroui, Tracy S. Obertone, Indrajit Chowdhury, Winston E. Thompson, Didier Merlin, Shanthi V. Sitaraman (2011). Nanoparticle-based therapeutic delivery of prohibitin to the colonic epithelial cells ameliorates acute murine colitis. Inflammatory Bowel Diseases(R) 17(5):1163-76.
17. Indrajit Chowdhury, Alicia Branch, Moshood Olatinwo, Kelwyn Thomas, Anthony Zeleznik, Roland Matthews, and Winston E. Thompson (2011). Prohibitin (Phb) acts as a potent survival factor against ceramide induced apoptosis in rat granulosa cells. Life Sci. 89: 295–303.
18. Indrajit Chowdhury, Winston E. Thompson, Crystal Welch, Kelwyn Thomas, Roland Matthews (2013). Prohibitin (PHB) inhibits apoptosis in rat granulosa cells (GCs) through the extracellular signal-regulated kinase 1/2 (ERK1/2) and the Bcl family of proteins. Apoptosis 18(12):1513-25.
19. Djana Harp, Adel Driss, Sharifeh Mehrabi, Indrajit Chowdhury, Wei Xu, Dong Liu, Minerva Garcia-Barrio, Robert N. Taylor, Bert Gold, Samantha Jefferson, Neil Sidell, Winston Thompson (2016). Exosomes derived from endometriotic stromal cells have enhanced angiogenic effects in vitro. Cell Tissue Res. 365(1):187-96.
20. Indrajit Chowdhury, Kelwyn Thomas, Anthony Zeleznik and Winston E. Thompson (2016). Prohibitin regulates the FSH signaling pathway in rat granulosa cell differentiation. J. Molecular Endocrinol. 56(4):325-36.
21. Saswati Banerjee, Santosh K. Singh, Indrajit Chowdhury, James W. Lillard Jr, Rajesh Singh (2017). Combinatorial effect of Curcumin with docetaxel modulates apoptotic and cell survival molecules in prostate cancer. Front. Biosci. Elite, 9, 235-245.
22. Indrajit Chowdhury, Alicia Branch, Sharifeh Mehrabi , Byron D. Ford and Winston E Thompson (2017). Gonadotropin-dependent neuregulin-1 signaling regulates female rat ovarian granulosa cell survival. Endocrinology, 158, 1-14.

Reviews

1. I. Chowdhury, B. Tharakan and G. K. Bhat (2006). Current concepts in apoptosis: The physiological sucide program revisited. Cellular and Molecular Biology Letter: Vol. 11, 506-525.
2. I. Chowdhury and K. P. Joy (2007). Seminal vesicle and its role in reproduction of teleosts. Fish Physiol Biochem 33: 383-398.
3. I. Chowdhury, B. Tharakan and GK Bhat (2008). Caspases – an update. Comp Biochem Physiol 151: 10-27.
4. I. Chowdhury, A Sengupta and SK Maitra (2008). Melatonin: Fifty years of scientific journey from the

discovery in bovine pineal gland to focus the functions in human. Indian J. Biochem Biophy. 45: 289-304.

5. I. Chowdhury, B. Tharakan and GK Bhat (2010). Regulators of Apoptosis. J. Sci. Res., Section B: 89-94.
6. Djana F. Harp and Indrajit Chowdhury (2011). Trichomoniasis: evaluation to execution. European Journal of Obstetrics and Gynecology: 157: 3–9.
7. Indrajit Chowdhury, Minerva Garcia-Barrio, Djana Harp, Kelwyn Thomas, Roland Matthews, Winston E. Thompson (2012). The emerging roles of prohibitins in folliculogenesis. Front. Biosci. E4, 690-699.
8. Djana Harp, Indrajit Chowdhury, Minerva Garcia-Barrio, Crystal Welch, Roland Matthews, Winston Thompson (2014). Oncofertility: an emerging branch of women's health. Front. Biosci. S6, 39-49.
9. Indrajit Chowdhury, Winston E. Thompson and Kelwyn Thomas (2014). Prohibitins role in cellular survival through Ras-Raf-MEK-Erk pathway. J Cell Physiol. 229(8): 998-1004.
10. Indrajit Chowdhury, Winston E. Thompson and Kelwyn Thomas (2016). Prohibitin (PHB) roles in granulosa cell physiology. Cell Tissue Res. 363(1): 19-29.
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