

CURRICULUM VITAE

Koel Chaudhury, PhD

Associate Professor

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EMPLOYMENT

Associate Professor (2010 Dec – present)
Assistant Professor (2002 – 2010)
School of Medical Science & Technology, IIT Kharagpur

EDUCATION

PhD in Biophysics (1995), *Delhi*
M.Sc in Physics (1990), *Delhi*

RESEARCH INTERESTS

(Linking basic sciences to clinical research)

Clinical Proteomics and Metabolomics based Biomarker Discovery; Omics Integrated Systems Biology
Women's Health; Respiratory Health; Nanomedicine

TEACHING EXPERIENCE (2002 –present)

- Medical Imaging (Core – 4 credits)
- Fundamentals of Medical Instruments (Core – 4 credits)
- Nuclear Imaging (Elective – 4 credits)
- Infertility and Assisted Reproductive Technology (Elective – 3 credits)

PhD GUIDANCE

- PhD completed – 10; ongoing – 8

PUBLICATION SUMMARY

Papers in Internationally cited journals: 67 Total citation: 746 (source: Scopus)
Book Chapters: 3 h-Index: 16 (source: Scopus)
Book Edited: 1
Conference Papers and Proceedings: ~150

AWARDS AND GRANTS

Award

National Award for Technology Innovation by Ministry of Chemicals and Fertilizers for developing low-cost sanitary napkins for rural Indian women using super absorbent polymer and jute-pulp (2014)

Completed/Ongoing Grants (2004 onwards)

Funded by the Government of India, Department of Biotechnology - 5

Funded by the Government of India, Department of Science & Technology - 4

Funded by the Government of West Bengal, Department of Science & Technology - 2

Funded by the Government of India, Indian Council of Medical Research - 2

Funded by the Government of India, Council of Scientific and Industrial Research - 1

Funded by the Government of India, Ministry of Human Resource Development - 1

Funded by the Government of India, Ministry of Textiles, National Jute Board - 1

Funded by the Industry - 3

PROFESSIONAL EXPERIENCE AND EXPERTISE

Academic Member

- International Metabolomics Society
- Indian Society for the Study of Reproduction and Fertility (ISSRF)
- National Magnetic Resonance Society
- The Society for Free Radical Research-India (SFRR-India)
- Indian Society of Biomaterials

Member at the Institute level

- Internal Complaints Committee (The Sexual Harassment of Women at Workplace Prevention, Prohibition & Redressal Act, 2013)
- Warden, Sarojini Naidu/Indira Gandhi Hall of Residence (SN/IG)

Peer reviewer for International Journals

Expert Review of Obstetrics and Gynecology, Fertility and Sterility, Molecular and Cellular Endocrinology, Human Reproduction, Journal of Assisted Reproduction and Genetics, Reproduction, Fertility and Development, Molecular and Cellular Endocrinology, Journal of Translational Medicine, Future Medicine, Reproductive Biology and Endocrinology, International Journal of Chronic Obstructive Pulmonary Disease, Expert Opinion on Therapeutic Targets, Journal of Obstetrics and Gynaecology, BBA General Subjects, PLoS One, Journal of Steroid Biochemistry and Molecular Biology, Journal of Proteomics and others.

Grant reviews

Government of India, Department of Science & Technology (DST)

Government of India, Department of Biotechnology (DBT)