

Curriculum Vitae



1. **Name:** Dr Jyotirmoy Chatterjee
2. **Father:** Late SK Chatterjee
3. **D.O.B.:** 16.03.1957
4. **Designation:** Professor & HOS
5. **Affiliation:** School of Medical Science and Technology (SMST), IIT, Kharagpur
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9. **Qualifications:** B.Sc. (Hons.) from Calcutta University, M. Sc. (Cytology & Molecular Genetics Spl.) from Burdwan University; Ph.D.(in the field of Radiation Biology) from Burdwan University ; Certificates/Diploma in Medical Imaging / Electron Microscopy/Acupuncture (with professional registration)& Yoga-Naturopathy/ Rehabilitation of Locomotor Handicapped (with professional registration).
10. **Teaching Experience:** Multi-modal Medical Imaging including Molecular Imaging; Translational Health Research, Basics Anatomy-physiology & pathology; Life Sciences for Engineers; Radiobiology, Yogic Physiology and Ayurgenomics .
11. **Research Philosophy:** 'Knowledge the Continuum' in understanding 'homeostatic thresholds of life' in the context of health & disease. Life is manifested in 'multiple modes and scales' to form 'Complex patterns'. Nourishing logically the 'Knowledge the Continuum' with all sorts of available domain knowledge (applied, abstract, intuitive) through path of multi-disciplinary integration. Living systems become more complex essentially through the trauma connotation path. Transformation of trauma into intelligence essentially entails the embodiment of evolving systemic consciousness from the interplay of co-occurring cooperation and competition within certain thresholds which are irreversibly impaired in non-healing diseases. Systemically evolved consciousness may be comprehended through more interaction with 'mathematical abstractions' and 'astronomical studies'.
12. **Research Area:** Interdisciplinary Research on Pre-cancer / Cancer (Oral, Lung, Cervical) early diagnostics using multi-modal imaging & analysis, Wound Healing & Regenerative Medicine;

Understanding the dimensions of 'Conflict/Competition & Cooperation' in Carcinogenesis & Wound healing; Radiation Hormesis and Healing Potential of Yoga -Naturopathy; Honey as Systemic Healer.

13. **Research Guidance:** Ph.D. (Completed: 15; Perusing: 9); MS-10 (Completed), M. Tech. /MMST: (Completed: 24).

14. **Publications:** (i) Papers: 100 publication in international Journals; (ii) Patents (published/Submitted) : 6 (4 US, 2 Indian); (iii) Book/ Book Chapters: 8.

15. **Research Projects:** Many Research projects (Fundamental & Applied) funded by ICMR, New Delhi, DST, New Delhi, DBT, New Delhi, DIT, New Delhi, MHRD, New Delhi, West Bengal DST, Texas Instrument Pvt. Ltd (completed / running).

16. **Membership/Honor/Award:** Chairman, Institutional Ethical Committee, GNIDSR, Kolkata; Vice President (WB) , IACR; Member of Board of Studies, IEST, Shibpur, WB; Reviewer of DST, New Delhi; Became Class I Radiological Safety Officer under the approval (December 2004- December 2007)of Atomic Energy Regulatory Board, Mumbai. Reviewer of various International Journals; Delivered many invited lectures in national and international seminar/ conferences.

17. **Research Collaborations:** (i) Dept. of Biochemistry, University of Calcutta; (ii) Guru Nanak institute Dental Science & Research, Kolkata; (iii) Medical College , Kolkata; (iv) Eko-CT MRI Centre, Medical College Campus , Kolkata; Apollo Gleneagles Hospitals, Kolkata; (v) Calcutta National Medical College, Kolkata; (vi) RIO, Medical College , Kolkata; (vii) ACTREC, Navi Mumbai; (viii) TU Munich, Germany; (ix) IIT, Delhi; (x) NIT, Durgapur; (xi) Different Engineering/Technology/Mathematics Deptts. Of IIT Kharagpur.

18. **Organizing Workshop Conferences:** Organized two (2) International conferences, three (3) national level workshops on Systems in Medicine & Biology/ Advances in Multi-modal Medical Imaging and Analysis/In Situ Histology