



- **Name :** Prof. (Dr.) SANTOSH KUMAR MONDAL
- **Department:** Pathology and Laboratory Medicine.
- **Qualification :** MBBS, MD (Pathology)
- **About Myself:** Medical fraternity is unique in the universe as doctors serve the community with a healing touch. I am a medical teacher for more than 21 years and my students includes from MD (Pathology), MDS, MBBS, B.sc (Nursing), BSc MLT etc. Now, I am working as the Professor, Department of Pathology & laboratory Medicine at AIIMS, Kalyani. I am actively engaged patient care services/ hospital works as well as academics and medical research. At present, I have 82 publications with 1616 Google scholar citations. Besides, there are many administrative responsibilities in the Department of Pathology. As the nature of our work is a proper team work in most of the time, so one needs to know how to work in a group. I think I easily gel well with my colleagues, juniors and other staffs. At the same time, I carry on the instructions given to me by the competent authority. My aim to join this premiere institute is to become a good medical teacher, sincere hospital worker and dedicated academician/researcher.
- **Writer of books as Single Author -:**
  1. **“Manual of Histological Techniques”** from Jaypee (JP) Brothers, India. The book is meant for MD(Pathology) students, DMLT and BMLT technicians and for specialist/consultants of Pathology.
  2. **“Pathology Practicals”** from CBS publication. The book is meant for MBBS, 2nd Professional students.
  3. **“Laboratory Manual of Clinical Pathology and Haematology”** from CBS publication (in Press). The book is meant for specialists/consultants and technicians working in a Pathology Laboratory.

- **Best five research publications :**

1. Mondal SK, Bandyopadhyay R, Nag D R, Roychowdhury S, Mondal PK. Histological pattern, bilaterality and clinical evaluation of 957 ovarian neoplasms. A 10 year study in a tertiary hospital of eastern India. *Journal of Cancer Research and Therapeutics*, 2011; 7:411-7.
2. Mondal SK, Sinha S, Basak B, Roy DN, Sinha SK. The Bethesda system for reporting thyroid fine needle aspirates. A cytologic study with histologic follow-up. *Journal of cytology*, 2013;30:94-9
3. Mondal SK, Mondal S. Prevalence of Thalassemia and Hemoglobinopathy in eastern India: A 10-year high performance liquid chromatography study of 119, 336 cases. *Asian Journal of Transfusion Sciences*, 2016; 10:105-10.
4. Mondal SK, Bhattacharya S, Sarkar A, Saha R. Expression of programmed death ligand-1 (PD-L1) and tumor infiltrating lymphocytes (TILs) in breast carcinoma and their clinical significance. *Journal of Cancer Research and Therapeutics*, 2023;19:81-84.
5. Mondal SK, Basak B, Bhattacharya S, Panda UK. Role of WT1, B-cell lymphoma 2, Ki-67 (Mib1), and Her2/Neu as diagnostic and prognostic immunomarkers in ovarian serous and endometrioid carcinoma. *Journal of Cancer Research and Therapeutics*, 2021;17:164-69.

- **Area(s) of interest:** Oncopathology /Cancer Pathology, Molecular Genetics and Diagnosis.

- i)Received six months training on Oncopathology at Tata Memorial Hospital (TMH), Mumbai.
- ii)Received ICMR funded 10 days Hands on workshop on "Genomic Techniques in clinical Diagnostics" at the Department of Genetics, Dr. ALM PG Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai.

- **Research gate/ and/or Google Scholar Link:**

- <https://www.researchgate.net/profile/Santosh-Kumar-Mondal>
- <https://scholar.google.com/citations?user=Nh9xURcAAAAJ&hl=en&authuser=1>

Projects (Ongoing)-:

1. Extramural Projects-: a) Analysis of genetic variants of human haemoglobin and effect in the assessment of glycosylated haemoglobin.  
b) Discovery of potential molecular targets against NOTCH-active and inactive status of stemness in gingivobuccal oral cancer.  
c) Circulating cell free DNA as a blood-based biomarker for breast cancer diagnosis: A pilot study.
2. Intramural Projects-: as Co-PI in many intramural projects.
3. Collaborative Projects with NIBMG, Kalyani and IISER, Kolkata-:  
a) Defining the role of Natural killer (NK) cells and genetically engineered NK cells against cancer.

b) Development of a Non-Invasive Molecular Diagnostic assay integrating Genomic and epigenomic profiles for cancer risk assessment of early oral dysplastic lesions.

c) Effect of p-benzoquinone on red blood cells.

d) Molecular profiling of tissues in cervical cancer using Imaging Mass Spectrometry.

- **Achievements :**

1. National Scholarship at +10 level (Madhyamik Pariksha).
2. Three medical books as single author. One from JP Brothers and two from CBS publishers.
3. Till date, 82 international and national publications with 1616 Google scholar citations.
4. Ongoing Projects:- i) Extramural- 3, ii) Intramural-: as Co-PI; iii) Collaborative-: 4
5. Speaker at International Conference at Dhaka, Bangladesh held on 26 th -27 th April, 2024.
6. Speaker at International Conference at Bangkok, Thailand on 28th and 29<sup>th</sup> November 2024.
7. Speaker at National Conference of IAPM at AIIMS, New Delhi in 2023 and in Cuttack & Bhubaneswar in 2024.
8. Organising Chairman and Speaker of i) Oncopathology Conference, ii) CME on Molecular Genetics and iii) CME on Haemophilia at AIIMS, Kalyani.
9. Speaker, Judge and Chairperson of different National and State Conferences/CMEs.
10. Reviewer of articles sent by different international and national journals like Journal of Cytology, Indian Journal of Pathology & Microbiology(IJPM), Acta Tropica, Journal of Post Graduate Medicine, Journal of Basic and Clinical reproductive Sciences, Journal of Cancer Research and Therapeutics, Journal of laboratory Physicians, International Journal of preventive medicine, Journal of Gastrointestinal Cancer, Indian Journal of Ophthalmology, Saudi medical Journal, Journal of Expert review of Ophthalmology etc.
11. NABL assessor of medical laboratory and part of quality council of India.
12. NMC/MCI Inspector of UG (MBBS) and PG (MD Pathology) courses.
13. Examinership: MD (Pathology), DCP, MBBS (Pathology), DMLT
14. Thesis Guide and Thesis Adjudicator for many years.
15. Professional Membership (**Life member**):- a) Indian association of Pathology & Microbiology (IAPM); b) Indian Academy of Cytology (IAC); c) Molecular Pathology Association of India (MPAI); d) Indian Medical Association (IMA); e) Association of Cytology & Histology (ACH).