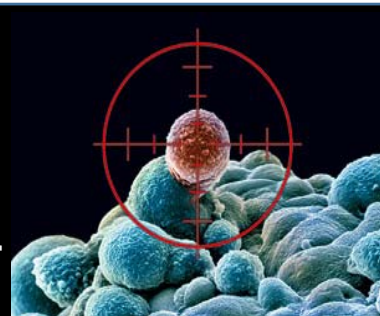




Dr. Arpita Chandra
Senior Scientific Officer (Grade - II)
In Vitro Carcinogenesis and Cellular
Chemotherapy



BIODATA:

Arpita Chandra (nee Banerjee) received her Ph.D. in Chemistry from University of Calcutta and did postdoctoral work in Multidrug Resistance in Cancer at Chittaranjan National Cancer Institute. She started her career as Assistant Professor in Chemistry at Rammohan College under University of Calcutta before joining to Chittaranjan National Cancer Institute in September 2018 as Senior Scientific Officer.

CONTACT

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RESEARCH INTEREST (IN BRIEF):

The overarching goal of our research is to address the shortcoming of chemotherapy in the treatment of cancer by application of different customized less toxic inorganic or organic molecules or nano-particles in the field of chemotherapy like

- Targeting different cell death networks
- Over coming Multidrug resistance in cancer
- Analyzing anti-metastatic and anti-angiogenic property
- Exploring potential of resistance modifying agent or anti metastatic agent against stem cell population

JOIN THE RESEARCH GROUP:

Students (preferably JRF) with strong work ethics, self-motivation (with their own fellowships) are welcome to join the research group for pursuing PhD. Interested candidates may contact directly at arpitachandrabanerjee@cnci.org.in along with CV and a brief statement of their research interests.

PUBLICATIONS (SELECTED):

• **Banerjee A**, Banerjee K, Sinha A, Das S, Majumder S, Majumdar S, Choudhuri S. K*. A zinc Schiff base complex inhibits cancer progression both in vivo and in vitro by inducing apoptosis. **Environmental Toxicology and Pharmacology** 56 (2017) 383–392.

• Sinha A, Banerjee K, **Banerjee A**, Das S, Choudhuri S. K*. Synthesis, characterization and biological evaluation of a novel vanadium complex as a possible anticancer agent. **Journal of Organometallic Chemistry** 772-773 (2014) 34–41.

• **Banerjee A**, Guha A, Adhikary J, Khan A, Manna K, Dey S, Zangrando E*, Das D*. Dinuclear cobalt(II) complexes of Schiff-base compartmental ligands: Syntheses, crystal structure and bio-relevant catalytic activities. **Polyhedron** 60 (2013) 102–109.

• Mondal S, Guha A, Suresh E, Jana A.D.*, **Banerjee A***. Single pot synthesis of pyridine-N-oxide based polymeric complexes of cadmium and manganese: Crystal structure and luminescence property. **Journal of Molecular Structure** 1029 (2012) 169–174.

• Metal Assisted Oxazolidine/Oxazine Ring Formation in DinuclearZinc(II) Complexes: Synthesis, Structural Aspects, and Bio-activity

Arpita Banerjee, SubhalakshmiGanguly, TanmayChattopadhyay, KaziSabnamBanu, Santanu Bhattacharya, EnnioZangrando*, Debasis Das*. **Inorganic Chemistry** 48 (2009) 8695–8702.