

Curriculum Vitae

Name: Dr. Durba Ganguly

Designation: SACT-I

Department: Chemistry

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Educational Qualification :

Examinations passed	Institution /Board	Year of passing	Percentage of marks	Subjects studied
Madhyamik	W.B.B.S.E	2003	83%	Beng, Eng, Phy. Sc., Life Sc., Math, Hist, Geography
H.S	W.B.C.H.S.E	2005	75.6%	Beng, Eng, Chem, Phys, Math, Bio
Graduation (Chemistry Hons.)	Calcutta University	2008	56.125%	Chemistry (Hons.), Physics and Math
Post Graduation (M.Sc)	West Bengal State University	2010	74%	Chemistry (Physical chemistry specialization)
Ph.D	Jadavpur University	2016	NA	Bioinorganic Chemistry

Area of Interest: Bio-inorganic chemistry

Teaching Experience:

1. Maharaja Manindra Chandra College from August, 2010 to July, 2011.
2. Bangabasi College from November, 2010 to July, 2011.
3. Sammilani Mahavidyalaya September 2018 to till date

Research Experience:

1. Working as a Research Fellow at Jadavpur University .
2. Working as a postdoctoral fellow (SERB-NPDF) at Indian Association For The Cultivation Of Science .

Publications:

[1] Synthesis and characterization of 5-amino-2-((3-hydroxy-4-((3-hydroxyphenyl) phenyl) diazenyl) phenol and its Cu(II) complex – a strategy toward developing

azocomplexes for reduction of cytotoxicity, **DurbaGanguly**, RatulSarkar, Ramesh Chandra Santra, Tathagata Deb, TuhinadriSen, Saurabh Das; *Complex Metals*, ISSN 2164-232X, **2014**, 1, 13-22.

[2] Enhancement of anti-leukemic potential of 2-hydroxyphenyl-azo-2'-naphthol (HPAN) on MOLT-4 cells through conjugation with Cu(II), Tathagata Deb, PriyaKalyanGopal, **DurbaGanguly**, Piyal Das, Mausumi Paul, ManjuBikashSaha, Santanu Paul, Saurabh Das, *RSC Adv.*, ISSN, 2046-2069, **2014**, 4, 18419-18430.

[3] A study on the formation of the nitro radical anion by ornidazole and its significant decrease in a structurally characterized binuclear Cu^(II)-complex: impact in biology, Ramesh Chandra Santra, **DurbaGanguly**, Jyotsna Singh, KasturiMukhopadhyay, Saurabh Das, *Dalton Trans*, ISSN: 1477-9226 (print); 1477-9234 (web), **2015**, 44, 1992-2000.

[4] Synthesis, characterization, photo physical properties of two isomeric forms of an azodyes supported by DFT calculations and their interaction with DNA, **DurbaGanguly**, Ramesh Chandra Santra, Tapan Kumar Mondal, Saurabh Das, *ChemistrySelect*, ISSN: 2365-6549, **2016**, 5, 970-978.

[5] The water fraction of Calendula officinalis hydroethanol extract stimulates in vitro and in vivo proliferation of dermal fibroblasts in wound healing, Manikarna Dinda, Swagata Mazumdar, Saurabh Das, **DurbaGanguly**, Uma B Dasgupta, Ananya Dutta, Kuladip Jana, Parimal Karmakar, *Phytotherapy Research*, ISSN: 1099-1573, **2016**, 30, 1696-1707.

[6] Molecular diversity in several pyridyl based Cu(II) complexes: biophysical interaction and redox triggered fluorescence switch, Sangita Adhikari, Animesh Sahana, Babli Kumari, **DurbaGanguly**, Saurabh Das, Prajna Paramita Banerjee, Gautam Banerjee, Ansuman Chattopadhyay, Matilde Fondo, Jesús Sanmartín Matalobos, Paula Brandão, Vítor Félix and Debasis Das, *New J. Chem.*, ISSN: 1144-0546 (print); 1369-9261 (web), **2016**, 40, 10378—0388

[7] The biological in vitro effect and selectivity shown by a Co(II) complex of 2-(2-hydroxyphenylazo)-indole-3-acetic acid on three distinctly different cancer cells,

DurbaGanguly, Chetan Kumar Jain, Ramesh Chandra Santra, Susanta Roychoudhury, Hemanta Kumar Majumder and Saurabh Das, *RSC Adv.*, ISSN · 2046-2069, **2016**, 6, 114906–114915

[8] Anticancer Activity of a Complex of Cu^{II} with 2-(2-hydroxyphenylazo)-indole-3/-acetic Acid on three different Cancer Cell Lines: A Novel Feature for Azo Complexes, **DurbaGanguly**, Chetan Kumar Jain, Ramesh Chandra Santra, SusantaRoychoudhury, Hemanta Kumar Majumder, Tapan Kumar Mondal and SaurabhDas, *ChemistrySelect*, , ISSN: 2365-6549, 2017, 2, 2044–2054.

[9] Synthesizing a Cu^{II} complex of tinidazole to tune the generation of the nitro radical anion in order to strike a balance between efficacy and toxic side effects, Ramesh Chandra Santra, **DurbaGanguly**, Subrata Jana, NehaBanyal, Jyotsna Singh, AbhijitSaha, ShouvikChattopadhyay, KasturiMukhopadhyay and Saurabh Das, *NewJ.Chem.*, ISSN: 1144-0546 (print); 1369-9261 (web), 2017, 41, 4879

[10] Radiation-induced damage of nucleic acid bases, calf thymus DNA and DNA within MCF-7 breast cancer cells by [Cu₂(OAc)₄(tnz)₂]: a potential radiosensitizer, Ramesh Chandra Santra, **DurbaGanguly**, Debalina Bhattacharya, ParimalKarmakar, AbhijitSaha and Saurabh Das, *NewJ.Chem.*, ISSN: 1144-0546 (print); 1369-9261 (web), 2017, 41, 11679—11685

[11] Modification of the toxicity of an azo compound through complex formation help target bacterial strains, Tathagata Deb, **Durba Ganguly**, Sauradip Sen, Pankaj Giri, Pubali Dhar, Saurabh Das, *J. Chem. Sci.*, ISSN 0974-3626 (print), 2018, 130:94

[12] Multitargeting antibacterial activity of a synthesized Mn²⁺ complex of curcumin on Gram-positive and Gram-negative bacterial strains. TanmoySaha, PrinceKumar, NayimSepay, **DurbaGanguly**, KasturiMukhopadhyay and Saurabh Das,

ACS omega, 2020, 5, 16342-16357.

[13] Radioprotection of thymine and Calf thymus DNA by an azo compound, **DurbaGanguly**, Ramesh Chandra Santra, Saurabh Das, *Heliyon*, 2020

Seminar or Conference attended:

- 19 th CRSI National Symposium in Chemistry 2016, NBU (present a poster)
- MTIC-XVI, 2015, Jadavpur University (present a poster)
- Workshop On Diversities and Frontiers In Chemistry, 2013 (present a poster)

Others:

- National post doctoral fellowship (SERB,DST),INDIA
- Awarded “Best poster” on Workshop On Diversities and Frontiers In Chemistry,2013.