CURRICULUM VITAE

* Name: DR. DURBA GANGULY
* Subject: Chemistry (Physical Chemistry specialisation)
* Address for communication:14,Santinagar road ,P.O: Bhadrakali,P.S: Uttarpara,Hooghly,W.B, Pin:712232
* Contact Numbers : 8240486586
* Nationality: Indian
* Highest educational qualifications: Ph.D, Post Doc.

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| Examinations passed | Institution | Year of passing |
| Graduation  (Chemistry Hons.) | Calcutta University | 2008 |
| Post Graduation | West Bengal State University | 2010 |
| Ph.D | Jadavpur University | 2016 |
| Post Doc. | Indian Institute for the Cultivation of Science | 2019 |

* Research degree awarded(Ph.D) on : 7.12.2016
* No. of Publications (Wth ISSN/ISBN): 13

Teaching experiencec at Maharaja Manindra chandra College,Bangabasi college and vidyasagar college for women as Guest lecturer (in Years): 6 years

* **Research 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 azo complexes for reduction of cytotoxicity, **Durba Ganguly**, 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, Priya Kalyan Gopal, **Durba Ganguly**, Piyal Das, Mausumi Paul, Manju Bikash Saha, 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, **Durba** **Ganguly**, Jyotsna Singh, Kasturi Mukhopadhyay, 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 ofan azo dyesupported by DFT calculations and their interaction with DNA, **Durba Ganguly**, Ramesh ChandraSantra, Tapan Kumar Mondal, Saurabh Das, ***ChemistrySelect****,* **ISSN**‎: ‎2365-6549,**2016,**5, 970-978.

**[5]** The water fraction of Calendula officinalishydroethanol extract stimulates in vitro and in vivo proliferation of dermal fibroblasts in wound healing, Manikarna Dinda, Swagata Mazumdar, Saurabh Das, **Durba Ganguly**, Uma B Dasgupta, Ananya Dutta, Kuladip Jana, ParimalKarmakar, *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,**Durba Ganguly**, Saurabh Das, Prajna Paramita Banerjee, Gautam Banerjee, Ansuman Chattopadhyay, Matilde Fondo, Jesús Sanmartı́n Matalobos,Paula Brandão, Vı́tor Félixef and Debasis Das, NewJ.Chem., **ISSN**‎: ‎1144-0546 (print); 1369-9261 (web),2016,40, 10378—0388

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

**Durba Ganguly**, Chetan Kumar Jain, Ramesh Chandra Santra, Susanta Roychoudhury,

Hemanta Kumar Majumder and Saurabh Das, RSCAdv.,**ISSN** · 2046-2069,2016,6, 114906–114915

**[8]** Anticancer Activity of a Complex of CuII with 2‐(2‐hydroxyphenylazo)‐indole‐3/‐acetic Acid on three different Cancer Cell Lines: A Novel Feature for Azo Complexes, **Durba Ganguly**, Chetan Kumar Jain, Ramesh Chandra Santra, Susanta Roychoudhury,Hemanta Kumar Majumder, Tapan Kumar Mondal and Saurabh Das,*Chemistry* Select, *,* **ISSN**‎: ‎2365-6549,2017, 2, 2044–2054.

**[9]** Synthesizing a CuII 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](https://pubs.rsc.org/en/results?searchtext=Author%3ARamesh%20Chandra%20Santra),  [**Durba Ganguly**](https://pubs.rsc.org/en/results?searchtext=Author%3ADurba%20Ganguly),  [Subrata Jana](https://pubs.rsc.org/en/results?searchtext=Author%3ASubrata%20Jana), [Neha Banyal](https://pubs.rsc.org/en/results?searchtext=Author%3ANeha%20Banyal),  [Jyotsna Singh](https://pubs.rsc.org/en/results?searchtext=Author%3AJyotsna%20Singh),  [Abhijit Saha](https://pubs.rsc.org/en/results?searchtext=Author%3AAbhijit%20Saha),  [Shouvik Chattopadhyay](https://pubs.rsc.org/en/results?searchtext=Author%3AShouvik%20Chattopadhyay),  [Kasturi Mukhopadhyay](https://pubs.rsc.org/en/results?searchtext=Author%3AKasturi%20Mukhopadhyay)  and  [Saurabh Das](https://pubs.rsc.org/en/results?searchtext=Author%3ASaurabh%20Das), 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, **Durba Ganguly**, Debalina Bhattacharya, Parimal Karmakar, Abhijit Saha 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.Tanmoy Saha,Prince Kumar,Nayim Sepay,**Durba Ganguly,** Kasturi Mukhopadhay and Saurabh Das,ACS Omega,2020,5,16342-16357. 2470-1343 (print) 2470-1343 (web)

**[13]** Radioprotection of thymine and Calf thymus DNA by an azo compound:,**Durba Ganguly ,**Ramesh Chandra Santraswagata Majumdar……,Saurabh Das,Heliyon,2020.

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Signature of the faculty