DR. RITAM MUKHERJEE

Assistant Professor of Chemistry

_					
()\	/ei	~ //	P	ΛI	۰

Teacher of Chemistry with an aim to instil the philosophy of modern science into my students

Date of appointment to the present job: 23rd March 2015

Academic background:

Completed B.Sc. (Hons) and M.Sc. in Chemistry from the University of Calcutta and obtained Ph.D. from Jadavpur University. Specialized in Inorganic Chemistry
Information about M Phil/Ph D etc.:
☐ PhD Topic: Mechanistic Studies on Transition Metal Complexes
Area of present academic/ Research interest/ Research Projects & Schemes and Collaborations:
☐ Research interest: Theoretical simulation of reaction kinetics and dynamics
Publications:
Oxidation of iodide with a mononuclear manganese(IV) complex ion: Mechanistic investigation of autocatalytic behaviour: Sarvjeet Kumar Chandrabanshi, Subrata Mukhopadhyay and Ritam Mukherjee; Polyhedron 2020, 187, 114664 (https://doi.org/10.1016/j.poly.2020.114664)
□ Electron transfer. Part 169 [1]. Delayed reduction of mononuclear manganeses(IV) using vanadium(III): Basab Biyayi Dhar, Ritam Mukherjee and Edwin S. Gould; Inorganica Chimica Acta 2011, 365, 232 - 234. (https://doi.org/10.1016/j.ica.2010.09.019)
Reactions of aquatitanium(II) with hypervalent chromium species: Basab Bijayi Dhar, Ritam Mukherjee and Edwin S. Gould; Dalton Transactions 2009, (5), 868-871. (https://doi.org/10.1039/B815582H)
□ Electron transfer. Part 165. Oxidations of Ti(II) (aq) with ligated iron (III) and ruthenium (III) Ritam Mukherjee, V. Manivannan and Edwin S. Gould; Inorganica Chimica Acta 2007, 360 (11), 3633-3636. (https://doi.org/10.1016/j.ica.2007.01.026)
Reductions by titanium(II) as catalyzed by titanium(IV): Ritam Mukherjee, Zhiyong Yang and Edwir S. Gould; Dalton Transactions 2006, (6), 772 – 774. (https://doi.org/10.1039/B510212J)
Electron transfer between ascorbic acid and a (μ-oxo) diiron(III, III) complex : an example of

chloride inhibition: Ritam Mukherjee, B. B. Dhar, R. Banerjee; Polyhedron 2006, 25, 1367-1372.

(https://doi.org/10.1016/j.poly.2005.09.014)

	Kinetics of oxidation of phenylhydrazine by a (μ-oxo) diiron(III,III) complex in acidic aqueous media: Ritam Mukherjee, Basab Bijayi Dhar, Rupendranath Banerjee and Subrata Mukhopadhyay; Journal of Coordination Chemistry 2006, 59 , 1157-1165. (https://doi.org/10.1080/00958970500410614)
	Kinetics and mechanism of oxidation of iodide with a (μ-oxo)diiron(III) complex in weakly acidic media: Ritam Mukherjee, B. B. Dhar, R. Banerjee; International Journal of Chemical Kinetics 2005, 37, 737 – 743. (https://doi.org/10.1002/kin.20125)
	Mechanistic Studies on the Oxidation of Hydrazine by tris(biguanide) manganese(IV) in Aqueous Acidic Media: B. B. Dhar, <u>Ritam Mukherjee</u> , S. Mukhopadhyay, R. Banerjee; <i>Helvetica Chimica Acta</i> 2005, 88, 2294 – 2301. (https://doi.org/10.1002/hlca.200590164)
	Mechanistic investigation of the oxidation of glyoxylic and pyruvic acids by tris(biguanide) manganese(IV) in weakly acidic aqueous media: B. B. Dhar, Ritam Mukherjee, S. Mukhopadhyay, R. Banerjee; European Journal of Inorganic Chemistry 2004, 4854-4858. (https://doi.org/10.1002/ejic.200400547)
	Kinetics and mechanism of oxidation of Fe2+ by tris(biguanide) manganese(IV) ion in aqueous acid media: B. B. Dhar, Ritam Mukherjee, S. Mukhopadhyay, R. Banerjee; European Journal of Inorganic Chemistry 2004, 2950-2955. (https://doi.org/10.1002/ejic.200300887)
Books	and Chapters:
	pated in syllabus preparation and wrote three chapters of study material for Higher Secondary level stry course for the West Bengal State Open School.
Semin	ars, Webinars and Conferences attended:
	Presented paper in "National Conference on Future India: Science and Technology" organized by City College, Kolkata and Indian Science Congress Association, Kolkata chapter, February 27th -28th, 2019.
	Presented poster in the "38th ACS Central Regional Meeting 2006" organized by the American Chemical Society. May 17th – 18th, 2006; Frankenmuth, Michigan, USA.

Life MembershipFellow of Indian Chemical Society