


<h1 style="text-align: center;">Faculty</h1>	<p>Dr. Savita Garg Assistant Professor in Chemistry EastPointCollegeofEngineering&Technology</p>
	<p>Profile*</p> <p>Dr. Savita Garg(PhD, MSc(Inorganic and Physical), B.Ed awarded with Ph.D. from Gurukul Kangri university Haridwar(U.A) in 2009. MSc degree in Physical Chemistry and Inorganic Chemistry from Chaudhary Charan Singh University (U.P), 2002 and 2004. She also completed B.Ed Degree before getting the Phd Degree in 2006. She was Associate Professor and HOD, Department of Chemistry at Gopalan College of Engineering and Management and SEA College of arts and Science Bangalore. Her field of Interest is Chemical Kinetics, Catalysis, Nanoparticle and Environmental Chemistry. She has Published numerous papers in national and international journals with an equal number of papers in various conferences. She has more than 19 year of teaching and research experience She has h –index of10 and i-10 indexes of 6 in Google scholar citations. She is recognized as a reviewer in reputed journals in Elsevier / Springer. She has awarded with Best paper presentation once in national and once in international conference. She has life membership in Indian Chemical Society.</p>
	<p>Publications:-</p> <p>Books:- 3</p> <ul style="list-style-type: none"> • Book “Engineering Chemistry” published under I.K. International Publishing House Pvt. Ltd. (ISBN 978-93- 86768-03-2). • Second Edition of Book “Engineering Chemistry” published under I.K. International Publishing House Pvt. Ltd. (WILEY) (ISBN 978-93-89583 – 03 - 8). • Book “A TEXT BOOK OF ENGINEERING CHEMISTRY” Published under I.K. International Publishing House Pvt. Ltd. (ISBN 978 – 93 – 90620 – 19 -7). <p>Journals</p> <ul style="list-style-type: none"> • Synthesis and Characterization of Iridium nanoparticle as active catalyst for the selective and efficient oxidation of Isoleucine(Journal of Sulphur Chemistry). • Ir (III) Catalyzed Oxidation of Methionine by HCF (III) in aqueous alkaline medium medium – A Kinetic and Mechanistic Study (Indian Chemical Society). • Kinetic Spectrophotometric Method for the Determination of Ir(III)by its Catalytic Effect on the oxidation of sulphur containing amino acid by HCF(III) in aqueous alkaline medium, Vol.8, Issue 2, (2021),International Journal of scientific research in science and technology(IJSRST). • Estimation of Ir(III) using amino acid – hexacyanoferrate(III), Redox reaction, Vol 4(2) PP 367 – 373,(2012),International Transactions in Applied Sciences (ITAS). • Kinetic and mechanistic study of oxidation of Cystine by HCF(III) ions catalyzed by Ir(III) in aqueous alkaline medium, Vol 88,PP 211 – 215, (2011), J . of Indian Chemical science. (Kolkata) • Kinetic – Catalytic - spectrophotometer determination of Ir(III) by its catalytic effect in the oxidation of isoleucine by HCF(III) ions, Vol.1, No.4,Page 559 – 556,(2009), International Journal Of Transition in Applied Sciences.(Meerut). • Spectrophotometer determination of Ir(III) with cystine in alkaline Medium, Vol. 21, No. 1-2, Page 27-35,(2007), J. of Natural & Physical Sciences.

- Biogas from Organic waste diluted with sugar mill waste water, Vol. 19 No.5 Page 3435-3439, (2007), Asian J. of chemistry.
- Ascorbic acid –a novel gravimetric reagent for copper-(II), Vol.76, Part 3, (2004), J. Inst. Chemists.(India)

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Magazines

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Conferences:- 13

- Ir (III) CATALYZED OXIDATION OF METHIONINE BY HCF (III) IN AQUEOUS ALKALINE MEDIUM MEDIUM – A KINETIC AND MECHANISTIC STUDY, International Conference on Advanced Materials For Health, Energy and Environment (AMHEE-2023) 28Feb - 02 March 2023.
- Synthesis and Characterization of colloidal Iridium nanoparticle and their role as catalyst in homogeneous catalyst – An approach to Green Chemistry, International conference on Global Convergence in Technology, Entrepreneurship, computing and value Engineering: Principles and Practices (ICGCP-2023) 5 -7 May 2023.
- Kinetic Spectrophotometric method for the determination of Ir(III) by its Catalytic effect on the oxidation of sulphur containing amino acid by HCF(III) in aqueous alkaline medium., Applied Sciences Synergising the Engineering and Technology- 2021 East Point College of Engineering and Technology, **18-19 January 2021.**
- Catalytic kinetic determination of ultra trace amount of iridium (III) based on oxidation of S content amino acid by alkaline HCF(III), NCRATES – 2K19, Shridevi Institute of Engineering and Technology, **26 -27 April 2019.**
- Kinetic – Catalytic - spectrophotometer determination of Ir(III) by its catalytic effect in the oxidation of isoleucine by HCF(III) ions, On scope of advanced materials in energy & environment 2013, CMR institute of technology, **7 -8 Aug 2013.**
- Colloidal Iridium nanoparticle in the oxidation of alanine by hexacyanoferrate (III) in alkaline medium a kinetic study. (GC – 58) Green Chemistry. An approach to meet the Challenges of Sustainability, Deptt. Of Chemistry M.M.H. College Ghaziabad (U.P.), **GCMS 2011.**
- Kinetic – Catalytic - spectrophotometer determination of Ir(III) by its catalytic effect in the oxidation of Cysteine by HCF(III) ions, 12th Punjab science congress 2009, Punjab Agricultural University Ludhiana, **February 6 -8, 2009.**
- Kinetic and mechanistic study of oxidation of Cystine by HCF(III) ions catalyzed by Ir(III) in aqueous alkaline medium, Indian council of chemists 2008, Gurukul Kangri University

Hardwar (U.A.), **26-28 Dec.2008.**

- Microestimation of Ir(III) with cysteine in alkaline Medium Greener Aspects of Electrochemistry, School of studies in chemistry & Environmental Chemistry, Jiwaji University, Gwalior (M.P.). , **7-9 Dec.2007.**
- Biogas from Organic waste diluted with sugar mill waste water, A National conference on water, National Hydrology Institute Roorkee, 26 -27 Sep. 2007 (U.A.).
- Spectrophotometer determination of Ir(III) with cystine in alkaline Medium, Forty- Third Annual Convention of Chemists 2006 ,Indian chemical society, PHY (OP) -19. at Dr. Babasaheb ambedkar Marathwada University, **Aurangabad, 23 -27 December 2006.**
- A simple kinetic spectrophotometric method for the determination of Ir (III) in aqueous alkaline medium. 42nd Annual Convention of Chemists, , Indian Chemical Society, PHY (OP) – 18, **2005**

Achievements/Awards/Recognitions:-

- Head / in charge, Department of Chemistry, Gopalan College of Engineering and technology (2013 - 2017.).
- Evaluator , Uttarakhand Technical University at the centre Graphic Era Institute of Technology
- Evaluator, Uttar Pradesh Technical University at the centre G.L.A.I.T.M Mathura.
- Evaluator, Bangalore North University at the centre G.F.G.C.K R Puram.(2019 -2021)
- Appointed as a external examiner , Bangalore University, (2019 -2021) Reviewer, Bangalore North University at the center G.F.G.C.KR Puram.(2020)
- Chief Warden of Hostel in Roorkee Institute of Technology.
- Member of registration committee and other committee in SEA College of Arts, Science and Commerce. (2019 - 2021).
- Actively contributed in the completion of teaching and practical work of B.Sc., distance Education, and Bangalore City College.
- In charge of IIIIP Committee.
- Member of Programme Assessment Committee.
- Organizing various cultural & technical activities in Gopalan College Of Engineering and Technology(2016 -2017).

Annexure-4

	<p>Awarded Paper</p> <ul style="list-style-type: none">• Kinetic Spectrophotometric method for the determination of Ir(III) by its Catalytic effect on the oxidation of sulphur containing amino acid by HCF(III) in aqueous alkaline medium(2021)• Catalytic kinetic determination of ultra trace amount of iridium (III) based on oxidation of S content amino acid by alkaline HCF(III)(2019) <p>Invited Lecture</p> <p>Kinetic Spectrophotometric method for the determination of Ir(III) by its catalytic effect on the oxidation of sulphur containing amino acids by HCF(III) in aqueous alkaline medium ,Gopalan College of Engineering and Management ,25March 2022.</p>
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