

Prof. Rudra Pratap Singh Chauhan

(M.Sc., D.Phil. (Alld.), FICS, MNASc, FISAB, FICC)

Dean, Faculty of Science

Dean Students' Welfare

Coordinator, IQAC

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Educational Qualification:

Year	Qualification	University	Subject(s)/Topic(s)
1975	B.Sc.	A P S University, Rewa	Chemistry
1977	M.Sc.	A P S University, Rewa	Chemistry Organic
1980	Ph.D.	Allahabad University, Allahabad	Small Scale Analysis of a Few Organic Compounds

Administrative Experience/Post(s) & responsibilities held:

From	Post	Organization / University
Nov 2019	Dean Students Welfare	Magadh University, Bodh Gaya
March 2019:	Head of the Department	PG Department of Chemistry Magadh University, Bodh Gaya
March 2021:	Dean of Faculty	Magadh University, Bodh Gaya
March 2019:	Member of Professional or Academic Bodies	Magadh University, Bodh Gaya
March 2019:	Member of Academic Council	Magadh University, Bodh Gaya
March 2019:	Member, Board of Studies	Magadh University, Bodh Gaya

Academic/Teaching Experience:

Duration		Post	Organization / University
From	To		
10-11-1980	13-10-1982	Assistant Professor	Govt. S G S PG College, Sidhi, MP
14-10-1982	13-10-1990	Assistant Professor	Magadh University, Bodh Gaya 824234, Bihar
14-10-1990	13-10-1998	Associate Professor	Magadh University, Bodh Gaya 824234, Bihar
14-10-1998	19-07-2021	Professor	Magadh University, Bodh Gaya 824234, Bihar

Honours/ Awards & Fellowships for Outstanding Work:

Year of Award	Name of Award / Fellowship etc.	Elected / Honorary Fellow	Awarded by
2020	Recorder in Chemical Science	Indian Science Congress Association	Indian Science Congress Association
2018	NAAC Peer Team Member	NAAC	NAAC Bangalore
1979	Life Member	Indian Science Congress Association	Indian Science Congress Association
1979	Life Member	Indian Chemical Society	Indian Chemical Society
2015	Life Member	Indian Council of Chemists	Indian Council of Chemists
2005	Life Member	Fellow of Indian Society of Agricultural Biochemists	Fellow of Indian Society of Agricultural Biochemists
2002	Life Member	Purvanchal Academy of Sciences	Purvanchal Academy of Sciences
2000	Life Member	National Academy of sciences India	National Academy of sciences India
2012	Life Member	Association of Chemistry Teachers	Association of Chemistry Teachers
2016	Life Member	Royal Association for Science-Led Socio- Culture Advancement RSSA	Royal Association for Science-Led Socio- Culture Advancement RSSA

No. of Ph.D. Research Scholars successfully guided: 38

Important MoUs formulated for academic collaborations:

Year of MoU	MoUs Formulated
2020	Institute of Advance Materials, Ulrika, Sweden
2021	India-Japan Laboratory, Keio University, Japan

International academic Exposure:

Duration	Post / Assignment	Organisation / University	Area of Assignment
June 07-09, 2017	Bali	Indian Council of Chemists Agra	International Conference
June 06-08, 2019	Paris	Indian Council of Chemists Agra	International Conference

List of scholarly publications in recognized professional and/ or academic journals:

S.No.	Year	Title	Name of Journal
1	1977	Milligram Determination of a Few Hydrazine Compounds with N-Bromo saccharin	University of Allahabad Studies
2	1979	Micro determination of Abietic acid in rosin	Paint India
3	1980	Micro determination of Some Azo Dyes with N- Bromo saccharin	J. Indian Chemical Society
4	1980	Small Scale determination of Some Aldehydes with Ammonium HexanitratocerateIV using silver nitrate as catalyst	Proc. Nat. Acad. Sci. India
5	1981	Quantitative Oxidation of Some Hydrazine Derivative with Ammonium Hexanitrae acerato IV as the oxidant	J. Indian Chemical Society
6	1981	A New Titrimetric Method for the determination of some thiourea and thioaminoacids	Proc. Nat. Acad. Sci. India
7	1983	A Specific method for the spectrophotometric determination of Some reducing Sugars	Proc. Nat. Acad. Sci. India
8	1984	Oxidations with Ammonium HexanitratocerateIV Part II- Milligram Determination of Some Phenols	Proc. Nat. Acad. Sci. India
9	1985	Bromine monochloride as an analytical reagent for the determination of some urea and thioamino acids	Satdal Gaya College Journal
10	1990	Ammonium HexanitratocerateIV as an analytical reagent for the small-scale determination of thiourea and some of its derivatives in nitric acid medium	Purvanchal Academy of Sciences
11	1990	Bromine Monochloride as an analytical reagent for the milligram determination of hydrazine derivatives in acetic acid medium	Purvanchal Academy of Sciences
12	1991	N-Bromosuccinamide as an Analytical Reagent for the determination of Sugars	Purvanchal Academy of Sciences
13	1992	Bromine Monochloride as an analytical reagent for the small-scale determination of acridine derivatives in acetic acid medium	Acta Ciencia Indica
14	1992	N-Bromosacchrarin as an analytical reagent for micro determination of acridine derivatives in acetic acid	Asian Journal of Chemistry
15	1992	beta-Sitosterol-3-O-beta-D-Arbinofuronosyl 1-4-O-L-Rhamnopyranosyl 1-4-O-beta-D-Glucopyanoside from root of Agave Americana linn	Asian Journal of Chemistry
16	1993	Determination of Milligram Amounts of Some Antihistamin Drugs with Bromine Monochloride in Pure and Pharaceutica	Acta Ciencia Indica

		Preparations	
17	1993	Photo-Fries Rearrangement of 1-Naphthyl Acetate and 2-Naphthyl Acetate Photochemical Transformations	Asian Journal of Chemistry
18	1993	Microdetermination of Purine Derivatives with Bromine Monochloride Reagent in Acetic Acids Medium	Asian Journal of Chemistry
19	1993	Analytical Studies on the oxidation of cysteine, cystine and Methionine using Potassium DipertelluratocuprateIII as oxidant at multiscale	Oxidation Communication
20	1994	Micro determination of Some Hydrazine Derivatives with N-Chlorosaccharin Reagents	Asian Journal of Chemistry
21	1994	Drinking Water Treatment and Quality Control of Water Supply and Analysis of Municipality Water of Pipariya Hoshangabad	Asian Journal of Chemistry Review
22	1994	Analytical Studies on the oxidation of thiourea and some its derivatives using potassium dipertelluratocuprateIII as oxidant on microscale	Oxidation Communication
23	1994	Small Scale determination of bisphenol-A with bromine monochloride in acetic acid medium	Proc. Nat. Acad. Sci. India
24	1995	Determination of Milligram Amounts of Thiourea, Allythiourea and Phenylthiourea using N-Chlorosaccharin in acetic acid medium	Asian Journal of Chemistry
25	1995	Study of physico-Chemical Parameter of Kerwan Dam Water	Asian Journal of Pure and Applied Chemistry
26	1995	Micro determination of Ascorbic Acid in Pure and Pharmaceutical Preparations	J. Indian Chemical Society
27	1995	Mechanism of oxidation of Some active methylene compounds by N-Chlorosacchrin in acetic acid-water medium	Oxidation Communication
28	1996	Analytical Studies on the Oxidation of Some Hydrazine derivatives with Ammonium Penta vanadate V Reagents	Asian Journal of Chemistry
29	1998	Analytical Studies on the Oxidation of S-containing Amino Acids with Pentavalent Vanadium Reagent	Asian Journal of Chemistry
30	1998	Analytical Studies on the Oxidation of Nitroanilines using Potassium Dipertellurato CuprateIII	Asian Journal of Chemistry
31	1998	Quantitative Oxidation of Some Phenols using Potassium Dipertellurato Cuprate III as oxidants at Milligram Scale	Oxidation Communication

32	1999	Bromine Monochloride as an analytical reagent for the microgram determination of hydrazine derivatives in acetic acid medium	Oxidation Communication
33	2000	Quantitative Oxidation of Thiourea and Some of its derivatives with Ammonium Hexanitratocerate IV Reagent in Nitric Acid medium at Micro Scale	Asian Journal of Chemistry
34	2001	Analytical Studies on the oxidation of some aromatic amino using potassium dipertelluratocuprate III as oxidant on microscale	Oxidation Communication
35	2005	Analytical Determination of Antihistamine drugs in pure and its Pharmaceutical Formulations	Asian Journal of Chemistry
36	2005	Studies on Heavy Metal Pollution of Sone River Water	Asian Journal of Chemistry
37	2005	Micro determination of oxprenolol hydrochloride and metoprotol tartrate with potassium dipertellurato cuprate III Reagent	J. Indian Chemical Society
38	2006	Study of physico-Chemical Characteristics of Municipal drinking water supply of Sidhi district	Current World Environment
39	2008	Analytical determination of some antimaterial drugs by ceric ammonium nitrate reagent at micro scale	J. Chemtracks
40	2008	Determination of some antimaterial aminoquinolines by Ammonium Hexanitratocerate IV Reagent as Oxidant at Microscale	Oxidation Communication
41	2011	Micro Determination of Furosemide Pure and Some of its Pharmaceutical Preparations with Ammonium Hexanitratocerate IV Reagent	Oriental Journal of Chemistry
42	2011	Determination of Vitamin C in Pure and Pharmaceutical preparations at Microscale	Oxidation Communication
43	2012	Determination of Ascorbic Acid and Some of Its Pharmaceutical preparation with Ce IV by Micro Method	J. Inst. Chemists
44	2013	Analytical Determination of Antihistamine drugs Pure and its pharmaceutical Preparation with NBSA reagent	IOSR Journal of Applied Chemistry
45	2013	Analytical Studies on the oxidation of cysteine, cystine and Methionine with reagent	IOSR Journal of Applied Chemistry
46	2014	Micro determination of some Antituberculosis Drugs with AHC reagent	American International Journals of Research in Formal, Applied Natural Sciences
47	2015	Effect of CuSO ₄ and MnSO ₄ on the reaction rate of N-	International Journal of

		Chlorophthalimide with Cyclic alcohols in acetic acid medium	Creative Research Thoughts
48	2018	Quantative Determination of Aromatic Phenols with NBSA Reagent	IOSR Journal of Applied Chemistry
49	2018	Quantitative Determination of Thiourea Some of its Derivative with NBSA Reagents	Technical Research Organization India
50	2020	Protective Effect of piper nigrum on Sodium Arsenite Induced Toxicity in Charles Foster Rats	Advances in Pharmacology and Pharmacy
51	2020	Homopathic Preparation of Arsenic Trioxide as Immune Booster	Role of Medicinal Chemistry in the Current Senario Lerberd Academy
52	2020	Neuro Muscular Functions of human body as affected by Homeopathic Drugs	Role of Medicinal Chemistry in the Current Senario Lerberd Academy
53	2020	Quantitative Study of Racah Parameter of Manganese Ions in Coordination Compounds	IOSR Journal of Applied Chemistry
54	2020	Kinetics and Mechanism for the quantitative determination of Acetoacetic ester with N- chlorosaccharin reagent in acetic acid water medium	IOSR Journal of Applied Chemistry
55	2020	Analysis of Antineoplastic Drugs Clinical Pharmacology and Therapeutic Study	IOSR Journal of Applied Chemistry
56	2020	In Depth Analysis of Unique Antibiotic Drugs and Their pharmaceutical Treatments	IOSR Journal of Applied Chemistry
57	2020	Kinetics and Mechanism for the quantitative determination of Acetoacetic ester with N- chlorosaccharin reagent in acetic acid water medium	IOSR Journal of Applied Chemistry
58	2020	Study of Antihypertensive drugs Pharmacological classification and its mechanism of action	IOSR Journal of Applied Chemistry
59	2020	Quantitative Determination of Mono and Dihydric Alcohols with Ammonium Metavanadate Reagent Micro Determination of Medicinal Compounds	IOSR Journal of Applied Chemistry
60	2020	Quantitative Determination of Sugars with Ammonium Metavanadate Reagent Micro Analysis of Medicinal Compounds	IOSR Journal of Applied Chemistry

List of articles in popular magazines or newspapers:

S.No.	Date	Title	Name of Magazine/Newspaper
1	02-09-2020	Chemistry in Daily Life	Educational News Patna
2	07-09-2020	Biochemistry and its uses	Educational News Patna
3	22-09-2020	Polymer and its Uses	Educational News Patna
4	11-10-2020	Drugs addiction in Youths	Educational News Patna

Participation and scholarly presentations in National conferences:

S.No.	Date	Title of Conference	Title/Subject of presentation
1	27-02-2020	Two-Day State-level Science Innovators Exhibition	LiFi Wireless Technology
2	27-01-2018	Chemistry for Mankind	Determination of some lifesaving drugs in their pharmaceutical Preparation
3	26-02-2018	Science and Technology and Social Humans	Quantitative Determination of some antibiotic drugs and their pharmaceutical preparations
4	13-10-2018	Future India Science and Technology	Analysis of Life Saving drugs and Its Pharmaceutical Preparations
5	28-10-2017	Doubling Farmers Income Farm Profitability by 2022	Effect of Tillage and Weed Management
6	12-11-2016	Environmental Pollution	Control and prevention of Fluoride
7	11-02-2010	3rd Bihar Science Conference 2010	Direct Estimation of Phosphorus in Animal Bone Meal

Participation and scholarly presentations in international conferences:

S.No.	Date	Title of Conference	Title/Subject of presentation
1	26-02-2007	2nd Bihar Vigyan Congress	Analytical Studies of Functional Groups
2	12-12-2012	49th Annual Convention on Chemists	Determination of Milligram Amounts of Thiourea, Allylthiourea and Phenylthiourea using N-Chlorosacch
3	11-10-2019	Sustainable Agricultural Development in Changing Global Scenario	Micro determination of Ascorbic Acid in Pure and Pharmaceutical Preparations
4	06-04-2018	Green Chemistry Synthesis Processing and Devices	Green Chemistry
5	08-12-2017	Global trends in Pure and Applied Chemical Science	Invited Lecture
6	04-12-2017	5th International conference on Advance Research in Applied Science Environment Agriculture	Analysis of Life Saving drugs and Its Pharmaceutical Preparations
7	25-09-2017	Green Chemistry and Environmental Health	Research Emergence of Green Chemistry
8	16-10-2016	Commission for Scientific and Technical Technology	science literature in Hindi
9	07-01-2016	Indian Science Congress	Analytical Studies --- Micro scale

10	28-12-2015	Indian Chemical Society	Determination of Milligram Amounts of Thiourea Allylthiourea and Phenylthiourea using N-Chlorosacch
11	21-02-2015	Novel Journey of Green Chemistry	Current Synthetic Challenges Emergences of Green Chemistry
12	11-12-2014	Indian Chemical Society	Analysis of Life Saving drugs and Its Pharmaceutical Preparations
13	04-07-2013	Indian Chemical Society	Analytical Studies of Functional Groups
14	15-10-2011	Emerging Trends in Green Chemistry	Invited Lecture
15	30-10-2009	Contribution and Relevance of H.J. Bhabha, J. C. Bose and Charles Darwin	Determination of some antimaterial aminoquinolines by Ammonium Hexaan ratocerate IV Reagent as Oxi

