

FACULTY PROFILE



Name	Ritu Yadav						Date of Birth:20 – 09- 1971			
Designation	Asst.Professor(stage 3)					Date of holding Present Post			18-07-2017	
Name of the Department and School	Chemistry						School of Chemical Science and Technology			
Contact Details	Email : drmsyry@gmail.com						Mobile:9300926999			
Additional Responsibility in the university, if any	Asst. Proctor									
Educational Qualifications (UG onwards)	M.Sc.,PhD									
Research Area/Specialization	Synthetic Organic Chemistry, Green Chemistry, Medicinal Chemistry and Natural Products									
Awards/ Honors / Fellowship Conferred (With details thereof)	ISCA Best Poster Presentation Award ,)07.01.2013									
Summary of Publications (Number only)	Research Papers	21	Books	-	Chapter in Books	1	Seminars/ Conferences Proceedings	27	Projects	-

PUBLICATIONS - 2013 onwards:

National Publications (Details of Research Papers- 2013 onwards):

2014	Kalpna Avasthi, Ritu Yadav and Takallum Khan, Greener and Efficient Synthesis of Some Novel Substituted Azitidinones with 4 Amino Pyridine via Heterogenous catalyst. , Journal of Applicable Chemistry , 3,(5), 1899-1906, Aug 2014 , 2278 -1862
2015	Takallum Khan*, Ritu Yadav and Kalpna Avasthi, Synthesis, Characterization and Reactivity of Some Novel Sydnone Derivatives Madhya Bharti Journal Of Science, 59(2), 15-17 , Oct 2015 , 0972-7434
2016	Ritu Yadav and Takallum Khan, Synthesis, characterization and antioxidant activity of some new 4-Thiazolidinonyl-4H-1, 2, 4-Triazole derivatives, Heterocyclic Letters, 6(4), 757-766, Aug-Oct 2016, 2231 - 3087
2017	T. Khan, R. Yadav and S. K. Srivastava , Synthesis of Thiadiazole and Azetidinone Derivatives Derived from Triazoles, Asian journal of Chemistry , 29 no 10 , 2275-2278 Aug 2017, 0975-427x online

International Publications (Details of Research Papers- 2013 onwards):

2015	Kalpna Avasthi, Ritu Yadav, and Ashish Bohre, Silica gel supported γ -Ferrite as a Heterogenous catalyst for high yield synthesis of β -Lactams (2-azetidinones) under eco-friendly conditions VIA 1,2,4-Triazoles. Eur. Chem. Bull. Academy of Sciences, Hungary 4(5) 268-274, July 2015, 2063-5346
2018	Takallum Khan and Ritu Yadav and Surendra Singh Gound , , An Efficient Synthesis and Antibacterial Activity Some Novel 2-Azetidinone Derivatives of 4H-1,2,4-Triazoles under Mild Conditions J. Heterocyclic Chem. 55 , 1042-1047, Feb 2018, 1943-5193
2019	1. Takallum Khan and Ritu Yadav, Silica –Supported P_2O_5 as an efficient Heterogenous Catalyst for the One Pot Synthesis Of 3-Amino –imidazo[2,1-b](1,3)benzothiazole under Green Conditions, J. Heterocyclic Chem. 56 . 11-17, Jan 2019, 1943-5193 2. Neha Mishra Surendra Singh Gound Rajesh , Ritu Yadav Rampal Pande, Synthesis, characterization and antimicrobial activities of benzothiazole-imino-benzoic acid ligands and their Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes, Results in Chemistry journal homepage: www.elsevier.com/locate/rechem, 1, 1-8 Jan 2019 , 2211-7156
2020	Neha Mishra, Takallum Khan, Himanshu Pandey, Kaushal Kumar, Pankaj Kosti, Mithun Kori and Ritu Yadav, An Atom Economical Concise Green Synthetic Protocol for the Synthesis of 4-Substituted Benzylidene β -Lactams Easy Access by P_2O_5/SiO_2 Catalyzed Schiff Base, Asian Journal of Organic & Medicinal Chemistry, Volume: 5 Year: 2020 Issue: 1 Month: January–March pp: DOI: https://doi.org/10.14233/ajomc.2020.AJOMC-P231 , (in press)

Chapters in Books - 2013 onwards

1	Meenal Gupta , P. K. Singh , Ritu Yadav , Pushpa Singh , Smitashukla , Impact of electromagnetic radiations on plants human health and environment , International environmental jurisprudence : A Global Perspective – Dr. Priyadarshini Agnihotri , JRF international Book Publisher, 2018, 978-93-87739-16-1
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National Seminar/Conference/Workshops (Attended- 2013 onwards)

2013	- Evaluation of antimicrobial and diuretic activities of some new synthesized substituted thiazolidine derivatives, 06-01-2013, 100 Indian Science Congress, Calcutta university Kolkata - An expeditious green synthesis of azetidinones derivative via heterogeneous catalyst with 1,2,4-triazoles, 28-09-2013, Samrat Ashok Technological Institute Vidisha (M.P.)
2014	An expeditious green synthesis of Azetidinones derivatives via 1,2,4-triazoles, 22-02-2014, Govt Postgraduate college, Datia (M.P.)
2015	Synthesis Characterization and antimicrobial studies of novel azetidinones derivatives fused with mesoionic compounds, 06-01-2015, Indian Science Congress, University of Mumbai, Mumbai.
2016	- Synthesis Characterization and antimicrobial activities of some novel sydnones, 06-01-2016, Indian Science Congress, University of Mysore, Mysuru, Karnataka. - Green Technology, 12-01-2016, Samrat Ashok Technological Institute Vidisha (M.P.) - Innovations for classroom teaching Green Chemistry; New methods for organic synthesis and application, 16-01-2016, Times college of education, Damoh (M.P.)
2017	Synthesis Characterization and antioxidant activity of some new Schiff bases of 4H-1,2,4-Triazoles-3-thiol derivatives, 05-01-2017, Indian Science Congress, S. V. University, Tirupati, Andhra Pradesh.
2019	- An atom economical concise green synthesis protocol for the synthesis of medicinally relevant beta lactams via heterogeneous catalysed benzothiazole Schiff base, 30-03-2019, University of Delhi, Delhi. - Environmental education and its importance for climate change, 30-12-2019, Dr. H.S. Gour University, Sagar (M.P.)
2020	Synthesis Green Chemistry: A Tool for Environmental Benign for Reduce Pollution, 8-03-2020, M.P. Council Of Science And Technology, Vigyan Bhavan, Nehru Nagar, Bhopal
International Seminar/Conference/Workshops (Attended- 2013 onwards)	
2014	Greener and efficient synthesis of some novel substituted azetidinones with ---amino pyridines via gamma ferrite as a heterogeneous catalyst, 28-12-2014, J. N. U. DELHI.
2018	DABCO catalysed an efficient synthesis of novel 2-oxo-azetidine derivatives of 4H-1,2,4-triazoles under a mild condition: A synthesis model of chemistry, 16-02-2018, Jiwaji University, Gwalior (M.P.)
Research Papers in Proceedings (International Seminar/Conference/Workshops- 2013 onwards)	
	Greener and efficient synthesis as a Heterogeneous Catalyst, Journal of Basic and Applied Engineering Research (JBAER), 1, Kriśi Sanskriti Publications (ISSN:2350-0077), New Delhi, 2014, 70-73
Invited Lectures delivered (<i>Outside University</i>) with title, date and place:	
2018	Mahila Sashaktikarankipahal me Mahilao Ki Bhumika aur Samajik Yogdan, 09-03-2018, NorthCap University, Gurugram, Haryana.
No. of Ph.D. Awarded: 2	
No. of Ph.D. Scholars working: 4	
Memberships in Academic Bodies:	
Life Member Of The Indian Science Congress Association (No. - L12753), Kolkata (WB)	Member of the Sectional Committee of the Section of Chemical Sciences for 2016-2017, ISCA, Kolkata (WB)
Life Member Of Indian Council Of Chemists (No.-1190), Agra (UP)	Member of the Sectional Committee of the Section of Chemical Sciences for 2017-2018, ISCA, Kolkata (WB)
Life Member Of Indian Chemical Society (No. – F/6924(LM)), Kolkata (WB)	
Other Academic Achievements :	
(i) Membership of the Board of Studies/School Board / Academic Council/ Executive Council (Within/ outside the university)	
BoS member in the Govt. Girls Excellence College, Saga (M.P.)	
(Within University) - BoS member in the Department of Chemistry - Member of Anti Ragging Squad for Hostels - Member of School Board - Member of anti ragging committee, - Member of Technical Advisory Committee in Rajbhasha Patrika Bhasha Bharti - Member of Annual Report Committee - Member of Bhasha bharti	