

## Dr. Preeti Soni

Research Guide

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### Current Research Interest-

1. Environmental Chemistry
2. Organic Chemistry

### Patents-

1. Implementation of artificial intelligence enabled design, synthesis and process optimization of chemical products for industry 4.0 (8<sup>th</sup> author)- completed Date- 05-05-23
2. A Novel adsorbent material for the removal of heavy metals from industrial waste water using chitosan & activated carbon nanoparticles (2<sup>nd</sup> author)- in process Date- 18-08-23
3. METHOD AND COMPOSITION FOR TREATING SWELLING USING ETHANOLIC EXTRACT OF HELIOTROPIUM INDICUM LINN (1st author) Date- 13-10-23

### Member-

Life Member of Association of Chemistry Teachers (Membership No.- 255)

### Journal Membership-

- 1- Physics of Fluids
- 2- Science Direct
- 3- Physics of Plasma
- 4- Royal Society of Chemistry
- 5- Indian Chemical Society
- 6- Shodh Sindhu

### Publications-

S.No.	Title	Name of Journal	Author	Vol./issue	Date
1.	“Studies on the effect of micro-nutrients on nutrient uptake and amino-acid contents in Soybean plant”.	Research Journal of Chemistry and Environment, Indore (M.P.),	<b>Preeti Soni</b> , Salil Udaipure, Lalit Kumar Thetwar	Vol. 2 pp. 51-58.	, June 1998
2.	“Amelioration of acidic soil by fly ash for trace elements uptake	Asian Journal of Chemistry,	<b>Preeti Soni</b> , Ajita Chakrabarty,	Vol. 12, No., pp. 698-702.	3, July October 2000

S.No.	Title	Name of Journal	Author	Vol./issue	Date
	and crop yield and increased protein content in Chick Pea ( Cicer areitinum )”.	Sahibabad ( Ghaziabad ),	L.K. Thetwar		
3.	Water Resource Management in Chhattisgarh State of India : Strategies for Sustainable Development”	Journal of Global Resources	<b>Dr.Preeti Soni</b>	, Vol. 4, ISSN: 2395-3160 (Print), 2455-2445 (Online),	January 2017, pp. 63-70.
4.	“Impulsive Excitation Of Mechanoluminescence In Irradiated Sr(Vo3)2 : Tb Phosphors”	Naveen Shodh Sansar, Neemuch ( M.P.),	<b>Dr. Preeti Soni</b> ,Vikas Gulhare, R. S. Kher., S. J. Dhoble	Vol. I, Issue XVIII,	April to June 2017,pp. 39-42.
5	Determination of Arsenic, Antimony, Lead & Physiological parameters in ground water of Bhatapara (C.G.)	International Journal of Science & Research	<b>Dr. Preeti Soni</b>	ISSN (Online): 2319-7064	Vol.10 Issue 06 june,2021 pp 1687-1688
6	Phytochemical Analysis of Heliotropium indicum for its Medicinal properties	International Journal of Science & Research	<b>Dr. Preeti Soni,</b> Shri Jitendra Yadav	ISSN (Online): 2319-7064	Vol.11 Issue 12 december,2022

### Books/Book Chapter-

S.No.	Title	Name of Journal	Author	Vol./issue	Date
1.	“A Review : Environment and Enironmental Movements”.Sustainable Development : Theory, Praxis and Solution	Asian Press Books, Kolkata	<b>Dr. Preeti Soni</b>	ISBN: 978-81-950855-4-5, pp. 38-42.	1st Editi March 2021
2.	Studies of physiological parameters of different soil samples of bhatapara	Organized by govt. bilasa girls college, Bilaspur (c.g.)	<b>Dr. Preeti Soni</b>	ISBN: 978-93-93403-13-1, pp. 204	2022
3.	Zindagi ka safarnama	Evincepub publishing	Co- editor	ISBN: 978-93-5673-194-3, pp. 17-19	
4.	International Book on Multidisciplinary Approach in Research (vol. 25)	Redshine Publication, Sweden	Chief Editor	ISBN: 978-91-89764-08-8	May ,2023

S.No.	Title	Name of Journal	Author	Vol./issue	Date
5.	Basics of Organic Chemistry	Infinite Research	1 <sup>st</sup> Author	ISBN: 978-81-964364-1-4	16/06/2023
6.	Environmental Organic Chemistry	Infinite Research	1 <sup>st</sup> Author	ISBN: 978-81-965812-0-6	23/10/2023

### Reviewer-

S.No.	Title	Name of Journal	Reviewer	Vol./issue
1.	Studies on kinetics of colour formation of asparagine-ninhydrin complex	International Journal of Science & Research	Dr. Preeti Soni	23 feb 2023
2.	Mediating effect of recycling behaviour on household attitude towards waste prevention	International Journal of Science & Research	Dr. Preeti Soni	23 feb 2023

### Recent Participation in Seminar/Workshop-

S.no	Topic	Organized by	date	remarks	level
1	'Engineering, Science and Technology : Ideas, Innovations and Initiatives' ('Environmental and Health Hazards of Fast Food Consumption')	Chouksey Eng. College Bilaspur	26-27 Oct. 2018	presented	International conference Techno-A-Tech 2018
2	"Recent Trends in Environmental Issues" review of recent trends in fly ash application.	D.P. Vipra PG College, Bilaspur	14 Oct. 2019	presented	national
3.	Advance materials for sustainable industrial and social applications NSAMSIS – 2020 (EFFECT OF CEMENT DUST POLLUTION ON WATER BODIES AROUND BHATAPARA C.G.)	Govt. pt. shyamacharan shukla college, dharsiwa Raipur (C.G.)	17-18/01/2020	presented	national
4	Materials for environment (ICME – 2020) (UTILISATION OF FLY ASH TO CONTROL ENVIRONMENTAL POLLUTION)	Govt, v.y.t college, durg (C.G.)	24-25 /01/2020	presented	International conference
5	56 <sup>th</sup> annual convention of chemists 2019 Recent trends in chemical sciences, ( assessment of industrial pollutants in soil of Chhattisgarh.)	Pt. Ravishankar Shukla University Raipur (C.G.)	14-16/11/2019	presented	International conference