

BRIEF PROFILE OF THE FACULTY

Department of Chemistry

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3. Educational Qualification	:	M.Sc., Ph.D. in Chemistry
4. Specialization in P.G.	:	Inorganic Chemistry
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7. Details of publication	:	

List of Publication of Dr. Manisha Thakur

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- (A) Papers in Journals
 - (B) Book Chapters
 - (C) Papers Presented/Abstracted in Conferences

(A)Papers in Journals

1.	Spectrophotometric determination of bismuth in catonic miceller media with iodide and N, N'-diphenylbenzamidine in environmental samples (with P.K. Agnihotri, M.K. Deb and R.K. Mishra)	<i>J. Chem. Environ. Research.</i> , 6(3&4) , 217-225(1997)
2.	Spectrophotometric determination rhenium(IV) with thiocyanate, TX-100 and N,N'-diphenylbenzamidine. (P.K. Agnihotri, Manisha Thakur, Manas Kanti Deb* and R.K. Mishra)	<i>J. Chinese Chem. Soc.</i> , 45(3) , 401-406 (1998) Impact Factor: 0.819
3.	Fractionation and spectrophotometric determination of thallium with N,N'-diphenylbenzamidine, brilliant green and cetylpyridinium chloride. (Manas Kanti Deb*, P.K. Agnihotri, Manisha Thakur and R.K. Mishra)	<i>Chem. Spec. & Bioavail.</i> , Australia 10(2) , 53-60 (1998) Impact Factor: 1.022
4.	Sensitive determination of zinc with N-hydroxy-N,N'-diphenylbenzamidine and diphenylcarbazone in airborne dustparticulates. (Manisha Thakur, Manas Kanti Deb* and R.K. Mishra)	<i>Chemia Analityczna</i> , Poland 45(5) , 843-850 (1998) Impact Factor: 0.566
5.	Chemical speciation and determination of antimony with N,N'-diphenylbenzamidine and brilliant green in an acidic non-ionic micellar media. (Manas Kanti Deb*, P.K. Agnihotri, Manisha Thakur and R.K. Mishra)	<i>J. Indian Chem. Soc.</i> , © Ind Chem Soc, 76 , March, 145-147 (1999) Impact Factor: 0.34
6.	Field detection and sensitive determination of copper in soil and airborne dust particulates with 1-[pyridyl-(2)-azo]-naphthol-(2), N-Phenyl-N'-(4-methyl-phenyl)-benzamidine and triton X-100. (Manisha Thakur, Manas Kanti Deb)	<i>J. AOAC Intern.</i> , USA 82(3) , 738-746 (1999) Impact Factor 1.046

7.	Spectrophotometric determination of lead with N-hydroxy-N,N'-diphenylbenzamidine and diphenylcarbazone in airborne dust particulates and soil. (Manisha Thakur, Manas Kanti Deb)	The Analyst, © RSC, 124 , 1331-1335 (1999) Impact Factor 3.913 Immediacy index 1.032 - highest of any general analytical chemistry journal
8.	The use of 1-[pyridyl-(2)-azo]-naphthol-(2) in the presence of TX-100 and N,N'-diphenylbenzamidine for the spectrophotometric determination of copper in real samples. (Manisha Thakur, Manas Kanti Deb*)	Talanta, © Elsevier, 49 , 561-569 (1999) Impact Factor: 3.722
9.	Lead levels in the airborne dust particulates of an urban city of central India. (Manisha Thakur, Manas Kanti Deb*)	J. Environ. Monitor. & Assess., © Springer, 62 , 305-316 (2000) Impact Factor: 1.436
10.	Assessment of physico-chemical properties of airborne dust particulates in an urban city (Manisha. Thakur, Manas Kanti Deb*)	Indian J. Environ. Hlth., © NEERI 21 , 225-237 (2001)
11.	Assessment of atmospheric arsenic level in airborne dust particulates of an urban city of central India. (Manisha Thakur, Manas Kanti Deb*, R.K. Mishra and N. Bodhankar)	J. Water, Air & Soil Poll., © Springer, 140 (1-4), Sept., 57-71 (2002) Impact Factor: 1.765
12.	Spectrophotometric determination of nickel(II) using 5-Br-PADAP and N-hydroxy-N,N'- diphenylbenzamidine. (Ravi Kumar Banjare, Manas Kanti Deb* and Manisha Thakur)	J. Indian Chem. Soc., © Ind Chem Soc, 81 , Aug., 709-111 (2004) Impact Factor: 0.34
13.	Load of some trace metals in the airborne dust particulates of an urban city of central India. (Manisha Thakur, Manas Kanti Deb*, S. Imai, Y. Suzuki, K. Ueki and A. Hasegawa)	J. Environ. Monit. & Assess., ©Springer, 95 , 257-268 (2004) Impact Factor: 1.436
14.	Determination of free and total zinc using 2-[(5-bromo-2-pyridylazo)]-5-diethylaminophenol in mixed surfactant medium (Manisha Thakur, Ravi Kumar Banjare, Manas Kanti Deb)	Indian J. Chem. Sec. A , © CSIR, 44A , March, 733-736 (2005) Impact Factor: 0.920
15	Extraction of Chloroplatinate(II) using 2-[(5-bromo-2-pyridylazo)]-5-diethylaminophenol-(TX-100)-N,N'- diphenylbenzamidine complex (With Manas Kanti Deb* and Pushpa Khande)	Journal of Scientific & Industrial Research, Vol. 64 , February, 2005, 138-143.
16.	Spectrophotometric determination of rhodium(III) using 5-Br-PADAP and N-hydroxy-N,N'- diphenylbenzamidine as reagent by extracting it in dichloromethane. (ManishaThakur, Manas Kanti Deb* and Pushpa Khande)	J. Indian Chem. Soc., © Ind Chem Soc, 82 , 285-289 (2005) Impact Factor: 0.34
17.	Determination of nitrite, nitrate and total nitrogen in vegetable samples (Manas Kanti Deb, Manisha Thakur and Pushpa Khande)	Bull. Chem. Soc. Ethiop. , © Chem. Soc. Ethiop., 21 (3), 445-

		450 (2007).
18.	Interaction of paraquat with electrochemically synthesized silver nanoparticles (Shilpa Dubey, Manas Kanti Deb, Manisha Thakur)	J. Ind. Chem. Soc., © <i>Ind Chem Soc</i> 84 , 698-701 (2007) Impact Factor: 0.34
19.	Synthesis of silver nanoparticles using <i>N1,N2</i> -diphenylbenzamidine by microwave irradiation method (Shilpa Sharma, Manas Kanti Deb and Manisha Thakur)	J. Experimental Nanoscience, © <i>Taylor & Francis</i> , 2 (4), 251-256 (2007) DOI:10.1080/ 17458080701753744 Impact Factor: 1.011
20.	Preparation of Silver Nanoparticles by Microwave Irradiation. (Shilpa Sharma, Manisha Thakur, Manas Kanti Deb*)	Current Nanoscience, © <i>Bentham Publication</i> , 4 , 138-140 (2008) Impact Factor: 2.793
21.	Logistic management of solid waste with practices and challenges (Md. Wasim Khan and Manisha Thakur)	<i>Indian J. Environ. Hlth.</i> , 33 , 655-663(2013)
22.	Catalytic Diazotization using silver and gold nanoparticles and Spectrophotometric determination of parathion residue in fruit and soil. (With S. Sharma, and M. K. Deb)	SPJMR Journal, volume 11, Issue1, January-2021

(B) Book Chapters

1	Platinum Group Metal in Environment via Catalytic Converter	Modern Research and Environmental Sustainability <i>AkiNik Publication</i> , New Delhi Chapter 10 , Vol.1, Page no. 117-127, 2022 ISBN :978-93-5570-305-7 BookDOI: http://doi.org/10.22271/ed.book.1751
2	Fluoride in water-Cause, Health risk and removal studies With Dr. Meena Chakraborty	Modern Research and Environmental Sustainability <i>AkiNik Publication</i> , New Delhi Chapter 4 , Vol.3, Page no. 51-64, 2023 ISBN :978-93-5570-636-2 Book DOI: http://doi.org/10.22271/ed.book.2220
3	Toxicology of marine cyanobacteria With Arun Kumar Kashyap, and Neena Rai	Marine Molecules from Algae and Cyanobacteria. <i>Elsevier Publication</i> ,2024 Chapter 18 , Page no. 313-321, 2024 ISBN : 978-0-443-21674-9 Book DOI: https://doi.org/10.1016/B978-0-443-21674-9.00019-2
4	Application of Surfactants in Soil Chemistry	Role of Surfactants in Drug Delivery, Pesticides, Antimicrobial Activity and Bioremediation <i>Deep Science Publishing</i> , 2025 Chapter 11 , Page no. 191-198, 2025 ISBN : 978-93-7185-317-0 E-ISBN : 978-93-7185-025-4 Book DOI: https://doi.org/10.70593/978-93-7185-025-4