

## **DOSSIER**

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  1. Orientation course from Pt. ravishankar Shukla University, Raipur October 2016
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### **12. No of Research Papers Published:**

1. Spectrophotometric determination of nickel (II) using 5-Br-PADAP and *N*-hydroxy-*N*, *N*-diphenylbenzamidine, *Journal of Indian Chemical Society*, 2004, **81**,709-712
2. Determination of free and total zinc using 2-(5-Bromo-2-Pridylazo)-5-diethylamino-phenol in mixed surfactant medium, *Indian Journal of Chemistry*, 2005, **44**, 733-736.
3. A Direct Spectrophotometric method for the determination of mercury in environmental and biological samples using p-carboxybenzenediazoaminobenzene-p-azobenzene. *Journal of Indian Chemical Society*, 2004, **83**,702-706.
4. Determination of cadmium(II) with 5-Br-PADAP in the presence of CPC and *HDPBA* in standard, fly ash, coal ash and biological samples, *Journal of Chemistry*, 2006, **45A**, 1408-1412.
5. Regional and transported aerosols in ambient atmosphere of Raipur, India, during winter, *Journal of Ravishankar university-B*, 2017, **30(1&2)**, 7-17.

## 12. No of Paper Presented at Conferences:

1. Determination of Vanadium with 4-2-(Pyridylazo)-resorcinol and hydroxyamidine in biological samples, *Annual Convention of Chemists*, Jodhpur University, Jodhpur, Dec. 2001.
2. Field detection and spectrophotometric determination of phenylhydrazine using *p*-toluimidoyl chloride in water samples, *89<sup>th</sup> Proceedings of Indian Science Congress Association*, Lucknow University, Lucknow, 3-7 Jan. 2002.
3. Determination of palladium emitted by automobile exhaust via catalytic converters, *8<sup>th</sup> Intern. Conf. On Atmospheric Sciences and Applications to Air Quality*, Tsukuba, Tokyo, Japan, March 11-13, 2003.
4. Load of some Heavy metals in the airborne dust particulates in a semi-arid climatic urban city in the central part of India, *8<sup>th</sup> Intern. Conf. On Atmospheric Sciences and Applications to Air Quality*, Tsukuba, Tokyo, Japan, March 11-13, 2003.
5. Spectrophotometric determination of zinc in cosmetics and pharmaceutical samples using 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol (5-Br-PADAP) in mixed surfactant medium, *90<sup>th</sup> Indian Science Cong. Assoc.*, Bangalore, 3-7 Jan. 2003.
6. Sensitive and selective extraction spectrophotometric determination of trace amounts of nickel(II) as a mixed complex with 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol (5-Br-PADAP) and *N*-hydroxy-*N,N'*-diphenylbenzamidine, *40<sup>th</sup> Annual Convention of Chemists, Jhansi*, (U.P.), 2003.
7. Chemical Speciation and determination of free and total Zinc in Cosmetics samples Spectrophotometrically using (5-Br-PADAP) in mixed Surfactant medium, *2<sup>nd</sup> Chhattisgarh Young Scientist Congress*, Bilaspur, 28-29 Feb 2004.
8. Determination of cadmium using 2-(5-bromo-2-pyridylazo)-5-diethylamino- phenol (5-Br-PADAP) using as reagent, *41<sup>st</sup> Annual Convention of Chemists*, Delhi, Dec 23-27, 2004.
9. Trace Determination of Mercury(II) with *p*-carboxybenzenediazo-*p*-azobenzene, in the presence of TX-100, *3<sup>rd</sup> Chhattisgarh Young Scientist Congress*, Raipur, 28<sup>th</sup> Feb –1<sup>st</sup> March 2005.
10. Modeling of soil quality data by positive matrix factorization, national conference on recent advances in chemical analysis, NIT Raipur on 14<sup>th</sup> Dec 2017.