

## Department of Chemistry

Dr. Rashmi

### Research Publications

#### Research Papers Published in International/National Journals:

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Love Karan Rana, <b>Rashmi Sharma</b> , Bilal Ahmed, Sanjeev Kumar, Geeta Hundal*, Susheel K Mittal*	Dicarboxamide polymorph derivatives for trace-level electrochemical sensing of Cu(ii) supported with crystal structure and theoretical studies	<i>Analytical Methods</i>	10	5643-5648	2018
2.	Susheel K Mittal*, <b>Rashmi Sharma</b> , Palak Narang	A green electroanalytical method for the determination of Levofloxacin by Ion-Pair formation with Picric acid	<i>Journal of Analytical &amp; Pharmaceutical Research</i>	4	116-128	2017
3.	<b>Rashmi Sharma</b> , Manmohan Chhibber, Susheel K Mittal*	Ether-Imine Based Multiresponsive Voltammetric Dipodal Receptor for Nanomolar Detection of Copper Ions	<i>Journal of Electrochemical Society</i>	163	B751-B760	2016
4.	<b>Rashmi Sharma</b> , Manmohan Chhibber, Susheel K Mittal*	A new ionophore for chemical sensing of F <sup>-</sup> , CN <sup>-</sup> and Co <sup>2+</sup> using voltammetric, colorimetric and spectrofluorimetric techniques	<i>RSC Advances</i>	6	51153-51160	2016

5.	<b>Rashmi Sharma</b> , Susheel K Mittal*, Manmohan Chhibber	Voltammetric Sensor for Fluoride Ions Using Diphenylether Derivatives Supported by NMR and Theoretical Studies	<i>Journal of Electrochemical Society</i>	162	B248-B255	2015
6.	<b>Rashmi Sharma</b> , Manmohan Chhibber*, Susheel K Mittal	Diphenylether based derivatives as Fe (III) chemosensors: Spectrofluorimetry , Electrochemical and Theoretical studies	<i>RSC Advances</i>	5	21831- 21842	2015
7.	Susheel K Mittal*, <b>Rashmi Sharma</b> , Manisha Sharma, Narinder Singh, Jasminder Singh, Navneet Kaur and Manmohan Chhibber	Imine linked chemosensors coupled with ZnO for the detection of Al <sup>3+</sup> by voltammetric method	<i>Journal of Applied Electrochemistry</i>	44	1239-1251	2014
8.	Inderpreet Singh Grover, <b>Rashmi Sharma</b> , Satnam Singh, Bonamali Pal*	Polycyclic aromatic hydrocarbons in some grounded coffee brands	<i>Environmental Monitoring and Assessment</i>	185	6459-6463	2013

### Book Published:

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Sixteen Priority PAHs in some brands of coffee	Inderpreet Singh Grover, <b>Rashmi Sharma</b> , Satnam Singh	Lambert Academic Publications	2017

### Patent:

S.No	Patent Title	Name of Applicant(s)	Patent No.	Year
1.	Novel chemical compound for detection and estimation of cerium (III).	Susheel K Mittal, Manmohan Chhibber, <b>Rashmi Sharma</b>	201711004742	2017

