

Research Publications during last five years of Dr. Sanjeev Kumar

S.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Impact Factor
1	Fabrication of a mercury(II) ion selective electrode based on poly-o-toluidine–zirconium phosphoborate	Sandeep Kaushal, Rahul Badru, Sanjeev Kumar , Susheel K. Mittal and Pritpal Singh	RSC Advances, 6, pp. 3150-3158	2016	2046-2069	3.049
2	Nanocomposite zirconium phosphoborate ionexchanger incorporating carbon nanotubes with photocatalytic activity	Sandeep Kaushal, Rahul Badru, Pritpal Singh, Sanjeev Kumar and Susheel K. Mittal	Separation Science and Technology, 51, pp. 2896-2902	2016	1520-5754	
3	Electrochemical behavior of a membrane based on zirconium(IV) phosphoborate nanocomposite and its application in dye removal	Sandeep Kaushal, Rahul Badru, Sanjeev Kumar , Pushpender K. Sharma, Susheel K. Mittal and Pritpal Singh	RSC Advances, 6, pp. 111606-111615	2016	2046-2069	3.049
4	Synthesis of Cu and Ce co-doped ZnO nanoparticles: crystallographic, optical, molecular, morphological and magnetic studies	Mohit Rawat, Jasmeet Singh, Jagpreet Singh, Chamkaur Singh, Amritpal Singh, Deepak Kukkar, Sanjeev Kumar	Materials Science-Poland, 35 (2), pp. 427-434	2017	2083-134X	

5	Efficient Removal of Cationic and Anionic Dyes from Their Binary Mixtures by Organic–Inorganic Hybrid Material	Sandeep Kaushal, Rahul Badru, Sanjeev Kumar , Harpreet Kaur, Pritpal Singh	Journal of Inorganic and Organometallic Polymers and Materials, 28(3), pp. 968-977	2018	1574-1451	
6	Fructose modified synthesis of ZnO nanoparticles and its application for removal of industrial pollutants from water	Gurjinder Singh, Jagpreet Singh, Sukhwinder Singh Jolly, Rohit Rawat, Deepak Kukkar, Sanjeev Kumar , Soumen Basu, Mohit Rawat	Journal of Materials Science: Materials in Electronics, 29(9), pp. 7364–7371	2018	1573-482X	2.722
7	Low Temperature Synthesis of Elongated Triangular Bipyramidal ZnO Nanostructures for Photocatalytic Activity	Gurjinder Singh, Sudhakar Panday, Mohit Rawat, Deepak Kukkar, Sanjeev Kumar , Soumen Basu	Journal of Nano Research, 52, pp. 1-14	2018	661-9897	
8	A smart LPG sensor based on chemo-bio synthesized MgO Nanostructure	Sukhpreet Kaur, Jagpreet Singh, Rohit Rawat, Sanjeev Kumar , Harpreet Kaur, K. Venkateswara Rao and Mohit Rawat	Journal of Materials Science: Materials in Electronics, 29(14), pp. 11679–11687	2018	1573-482X	2.722

9	Role of pH on the photocatalytic activity of TiO ₂ tailored by W/T mole ratio	Harpreet Kaur, Sanjeev Kumar , N. K. Verma & Pritpal Singh	Journal of Materials Science: Materials in Electronics, 29 (18), pp. 16120-16135	2018	1573-482X	2.722
10	CTAB assisted co-precipitation synthesis of NiO nanoparticles and their efficient potential towards the removal of industrial dyes	Navneet Kaur, Jagpreet Singh, Gaganpreet Kaur, Sanjeev Kumar , Deepak Kukkar, Mohit Rawat	Micro & Nano Letters, 14(8), pp. 856 – 859	2018	1750-0443	
11	Expanding horizon: green synthesis of TiO ₂ nanoparticles using Carica papaya leaves for photocatalysis application	Harpreet Kaur, Simerjeet Kaur, Jagpreet Singh , Mohit Rawat and Sanjeev Kumar	Materials Research Express, 6, pp. 095034	2019	2053-1591	1.449
12	Estimation of Trace Level Cadmium(II) by Polyaniline-Zirconium Phosphoborate Nanocomposite-based Membrane Electrode	Sandeep Kaushal, Rahul Badru, Pritpal Singh, Sanjeev Kumar , Susheel K. Mittal	Journal of Analytical Chemistry, 74(8), pp. 800-808	2019	1608-3199	
13	Biomolecules Encapsulated TiO ₂ nano-cubes using Tinospora cordifolia for photodegradation of a textile dye	Harpreet Kaur, Simerjeet Kaur, Jagpreet Singh , Mohit Rawat and Sanjeev Kumar	Micro & Nano Letters	2019	1750-0443	

14	Green synthesis of SnO ₂ NPs for solar light induced photocatalytic applications	Jagpreet Singh, Harpreet Kaur, Deepak Kukkar, Vineet Kumar Mukamia, Sanjeev Kumar , Mohit Rawat	Materials Research Express, 6, pp. 115007	2019	2053-1591	1.449
15	Highly fluorescent carbon dots derived from Mangifera indica leaves for selective detection of metal ions	Jagpreet Singh, SukhmeenKaur, Jechan Lee, Akansha Mehta, Sanjeev Kumar , Ki-Hyun Kim, Soumen Basu, Mohit Rawat	Science of The Total Environment 720, pp. 137604	2020	0048-9697 (print); 1879-1026 (web)	5.589