

	<b>Total No. of SCI papers (last 5 years) (Author Names, Title of Paper, Name of the Journal, Volume, Page No., Year)</b>
<b>S. No.</b>	Total No. of SCI papers (last 5 years) =33
	Year 2022
<b>1</b>	<b>Ratnesh Kumar</b> , Himanshi Goel, Shailendra Kumar Jha, Rama Kant, Single potential step chronoamperometry for EC' reaction at rough electrodes: Theory and experiment, Journal of Electroanalytical Chemistry, Volume 905, 2022, 115899, ISSN 1572-6657. <a href="https://doi.org/10.1016/j.jelechem.2021.115899">https://doi.org/10.1016/j.jelechem.2021.115899</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S1572665721009255">https://www.sciencedirect.com/science/article/pii/S1572665721009255</a> )
	Year 2021
<b>2</b>	<b>Kumari, K.</b> , Samantaray, S., Sahoo, D. ,et al. Nitrogen, phosphorus and high CO2 modulate photosynthesis, biomass and lipid production in the green alga Chlorella vulgaris. Photosynth Res 148, 17–32 (2021). <a href="https://doi.org/10.1007/s11120-021-00828-0">https://doi.org/10.1007/s11120-021-00828-0</a>
<b>3</b>	Debapriya Mondal, Mohammad Mahmudur Rahman, Sidharth Suman, Pushpa Sharma, Abu Bakkar Siddique, Md. Aminur Rahman, A.S.M. Fazle Bari, Ranjit Kumar, Nupur Bose, <b>Shatrunjay Kumar Singh, Ashok Ghosh</b> , David A. Polya, Arsenic exposure from food exceeds that from drinking water in endemic area of Bihar, India, Science of The Total Environment, Volume 754, 2021, 142082, ISSN 0048-9697. <a href="https://doi.org/10.1016/j.scitotenv.2020.142082">https://doi.org/10.1016/j.scitotenv.2020.142082</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0048969720356114">https://www.sciencedirect.com/science/article/pii/S0048969720356114</a> )
<b>4</b>	Lingqian Xu, Sidharth Suman, Pushpa Sharma, Ranjit Kumar, <b>Shatrunjay Kumar Singh</b> , Nupur Bose, <b>Ashok Ghosh</b> , Mohammad Mahmudur Rahman, David A. Polya, Debapriya Mondal, Assessment of hypertension association with arsenic exposure from food and drinking water in Bihar, India, Ecotoxicology and Environmental Safety, Volume 223, 2021, 112572, ISSN 0147-6513. <a href="https://doi.org/10.1016/j.ecoenv.2021.112572">https://doi.org/10.1016/j.ecoenv.2021.112572</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0147651321006849">https://www.sciencedirect.com/science/article/pii/S0147651321006849</a> )

5	Santosh Kumar, Deepika, Raju Kumar, Ritesh Kumar, Pratyush Vaibhav, Rajnish Kumar Singh, Nishant Kumar, Rakesh Kumar Singh, <b>Seema Sharma</b> , Spin-polarized room temperature ferromagnetism in co-doped ZnO synthesized by electrodeposition, Chinese Journal of Physics, Volume 73, 2021, Pages 622-633, ISSN 0577-9073. <a href="https://doi.org/10.1016/j.cjph.2021.08.012">https://doi.org/10.1016/j.cjph.2021.08.012</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0577907321002094">https://www.sciencedirect.com/science/article/pii/S0577907321002094</a> )
6	Kumar, N., Singh, R.K., Kumar, V., <b>Kumari, R.</b> et al. Physical properties of Pr-substituted Li/Ni ferrite magnetic materials at nanometric scale for its multifunctional applications in industries/environment and their cytotoxicity, lymphocyte studies as nanomedicine. Appl Nanosci 11, 2847–2859 (2021). <a href="https://doi.org/10.1007/s13204-021-02198-4">https://doi.org/10.1007/s13204-021-02198-4</a>
	Year 2020
7	<b>Akhouri, V., Kumari, M.</b> & Kumar, A. Therapeutic effect of <i>Aegle marmelos</i> fruit extract against DMBA induced breast cancer in rats. <i>Sci Rep</i> <b>10</b> , 18016 (2020). <a href="https://doi.org/10.1038/s41598-020-72935-2">https://doi.org/10.1038/s41598-020-72935-2</a>
8	<b>Akhouri V,</b> Kumar A, <b>Kumari M.</b> Antitumour Property of Pterocarpus santalinus Seeds Against DMBA-Induced Breast Cancer in Rats. Breast Cancer: Basic and Clinical Research. 2020;14. <a href="https://doi.org/10.1177/1178223420951193">https://doi.org/10.1177/1178223420951193</a>
9	<b>Kumar, V., Akhouri, V., Singh, S.K.</b> et al. Phytoremedial effect of Tinospora cordifolia against arsenic induced toxicity in Charles Foster rats. Biometals 33, 379–396 (2020). <a href="https://doi.org/10.1007/s10534-020-00256-y">https://doi.org/10.1007/s10534-020-00256-y</a>
10	<b>Masroor, S., Mobin, M., Singh, A.K.</b> et al. Aspartic di-dodecyl ester hydrochloride acid and its ZnO-NPs derivative, as ingenious green corrosion defiance for carbon steel through theoretical and experimental access. SN Appl. Sci. 2, 144 (2020). <a href="https://doi.org/10.1007/s42452-019-1515-z">https://doi.org/10.1007/s42452-019-1515-z</a>
11	Kavita Verma, <b>Md Kashif Shamim, Shekhar Kumar, Seema Sharma</b> , Role of ferrite phase on the structural, ferroelectric and magnetic properties of (1-x) BCT-x CZFO composites, Materials Chemistry and Physics, Volume 255, 2020, 123284, ISSN 0254-0584. <a href="https://doi.org/10.1016/j.matchemphys.2020.123284">https://doi.org/10.1016/j.matchemphys.2020.123284</a>

12	Deepika and Raju Kumar and Ritesh Kumar and Kamdeo Prasad Yadav and Pratyush Vaibhav and <b>Seema Sharma</b> and Rakesh Kumar Singh and Santosh Kumar, Defect induced room-temperature ferromagnetism and enhanced photocatalytic activity in Ni-doped ZnO synthesized by electrodeposition, Chinese Physics B, Chinese Physical Society and IOP Publishing Ltd, 29, 108503 (2020). <a href="https://dx.doi.org/10.1088/1674-1056/ab9c0c">https://dx.doi.org/10.1088/1674-1056/ab9c0c</a>
	Year 2019
13	Kumar, A., Ali, M., Kumar, R., <b>Singh S.K.</b> <i>et al.</i> High Arsenic Concentration in Blood Samples of People of Village Gyaspur Mahaji, Patna, Bihar Drinking Arsenic-Contaminated Water. <i>Expo Health</i> <b>12</b> , 131–140 (2020). <a href="https://doi.org/10.1007/s12403-018-00294-5">https://doi.org/10.1007/s12403-018-00294-5</a>
14	<b>Rahman MS</b> , Kumar A, Kumar R, Ali M, Ghosh AK, <b>Singh SK</b> . Comparative Quantification Study of Arsenic in the Groundwater and Biological Samples of Simri Village of Buxar District, Bihar, India. <i>Indian J Occup Environ Med.</i> 2019 Sep-Dec;23(3):126-132. <a href="https://doi.org/10.4103/ijoem.IJOEM_240_18">https://doi.org/10.4103/ijoem.IJOEM_240_18</a> Epub 2019 Dec 16. PMID: 31920262; PMCID: PMC6941334.
15	Sidharth Suman, Pushpa Kumari Sharma, Abu Bakkar Siddique, Md. Aminur Rahman, Ranjit Kumar, Mohammad Mahmudur Rahman, Nupur Bose, <b>Shatrunjay Kumar Singh</b> , <b>Ashok Kumar Ghosh</b> , Helen Matthews, Debapriya Mondal, Wheat is an emerging exposure route for arsenic in Bihar, India, <i>Science of The Total Environment</i> , Volume 703, 2020, 134774, ISSN 0048-9697. <a href="https://doi.org/10.1016/j.scitotenv.2019.134774">https://doi.org/10.1016/j.scitotenv.2019.134774</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0048969719347655">https://www.sciencedirect.com/science/article/pii/S0048969719347655</a> )
16	<b>Singh, A., Shamim, K., Sharma, S.</b> <i>et al.</i> Enhanced electrical and magnetic properties in BZT/NFO multiferroic composites derived by MARH. <i>J Mater Sci: Mater Electron</i> 29, 18221–18230 (2018). <a href="https://doi.org/10.1007/s10854-018-9935-x">https://doi.org/10.1007/s10854-018-9935-x</a>
17	<b>Md. Kashif Shamim, Seema Sharma, R.J. Choudhary</b> , Lead-free (K, Na, Li) NbO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> thin films by pulsed laser deposition: Structure, dielectric, magnetic and magnetodielectric behavior, <i>Journal of Alloys and Compounds</i> , Volume 794, 2019, Pages 534-541, ISSN 0925-8388, <a href="https://doi.org/10.1016/j.jallcom.2019.04.201">https://doi.org/10.1016/j.jallcom.2019.04.201</a>

18	<b>Md Kashif Shamim, Seema Sharma,</b> and R. J. Choudhary, Structure, electrical and magnetic properties of Co <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> /(K <sub>0.47</sub> Na <sub>0.47</sub> Li <sub>0.6</sub> ) NbO <sub>3</sub> bilayered thin films grown by pulsed laser deposition, Journal of Applied Physics 126, 134104 (2019); <a href="https://doi.org/10.1063/1.5095188">https://doi.org/10.1063/1.5095188</a>
19	<b>Preety Sinha, Aseem Kumar Anshu, Mini Tiwari &amp; Md. Yasir Ahmad,</b> Determination of PAEs in soil of municipal wards of Patna, India by microwave assisted extraction and LC-MS/MS, Soil and Sediment Contamination: An International Journal, Volume 28, 2019 - Issue 2. <a href="https://doi.org/10.1080/15320383.2018.1553933">https://doi.org/10.1080/15320383.2018.1553933</a>
	year 2018
20	Sourav Jana, <b>Amrita Chakraborty,</b> Valerii Z. Shirinian, Alakananda Hajra Synthesis of Benzo[4,5]imidazo[2,1-b]thiazole by Copper(II)-Catalyzed Thioamination of Nitroalkene with 1H-Benzo[d]imidazole-2-thiol, Advanced Synthesis Catalysis, 360(12), 2402-2408, <a href="https://doi.org/10.1002/adsc.201800393">https://doi.org/10.1002/adsc.201800393</a>
21	<b>Singh, A., Shamim, M.K., Sharma, S.</b> et al. Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and electrical properties of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> ceramics. J Mater Sci: Mater Electron 29, 8158–8166 (2018). <a href="https://doi.org/10.1007/s10854-018-8821-x">https://doi.org/10.1007/s10854-018-8821-x</a>
22	Naheed Ahmad, Abhay K. Sharma, <b>Seema Sharma,</b> Imran Khan, Dhananjay K. Sharma, Ayesha Shamsi, T. R. Santhosh Kumar & Mahendra Seervi (2019) Biosynthesized composites of Au-Ag nanoparticles using Trapa peel extract induced ROS-mediated p53 independent apoptosis in cancer cells, Drug and Chemical Toxicology, 42:1, 43-53. <a href="https://doi.org/10.1080/01480545.2018.1463241">https://doi.org/10.1080/01480545.2018.1463241</a>
23	Lal, M., Shandilya, M., Rai, R., <b>Ranjan, A., Sharma, S.</b> et al. Study of structural, electrical and magnetic properties of $-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)-x(\text{BiFeO}_3)$ ceramics composites. J Mater Sci: Mater Electron 29, 13984–14002 (2018). <a href="https://doi.org/10.1007/s10854-018-9531-0">https://doi.org/10.1007/s10854-018-9531-0</a>
24	<b>Singh, A., Shamim, K., Sharma, S.</b> et al. Enhanced electrical and magnetic properties in BZT/NFO multiferroic composites derived by MARH. J Mater Sci: Mater Electron 29, 18221–18230 (2018). <a href="https://doi.org/10.1007/s10854-018-9935-x">https://doi.org/10.1007/s10854-018-9935-x</a>
	Year 2017

25	<b>Kumari, B.</b> , Kumar, V., Sinha, A.K. , <b>Gosh, A.K.</b> et al. Toxicology of arsenic in fish and aquatic systems. Environ Chem Lett 15, 43–64 (2017). <a href="https://doi.org/10.1007/s10311-016-0588-9">https://doi.org/10.1007/s10311-016-0588-9</a>
26	Marinus E. Donselaar, Ajay G. Bhatt, <b>Ashok K. Ghosh</b> , On the relation between fluvio-deltaic flood basin geomorphology and the wide-spread occurrence of arsenic pollution in shallow aquifers, Science of The Total Environment, Volume 574, 2017, Pages 901-913, ISSN 0048-9697, <a href="https://doi.org/10.1016/j.scitotenv.2016.09.074">https://doi.org/10.1016/j.scitotenv.2016.09.074</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0048969716319945">https://www.sciencedirect.com/science/article/pii/S0048969716319945</a> )
27	Mukta Singsardar, <b>Dr. Amrita Chakraborty</b> , Sourav Jana, Dr. Alakananda Hajra, Metal-Free Synthesis of Indoles from Arylhydrazines and Nitroalkenes at Room Temperature, Volume2, Issue28 ,September 29, 2017,Pages 8893-8897. <a href="https://doi.org/10.1002/slct.201701964">https://doi.org/10.1002/slct.201701964</a>
28	<b>Nisha Kumari</b> , Naresh Vyas & A. K. Gupta Microwave-assisted synthesis of bis-(N,N-dialkyl)/O-aryl N,N-dialkyl-2-(1-methyl/phenyl-2-oxopropylidene) phosphorohydrazido oximes on a solid support under solvent free conditions: Marine fish toxin analogues, Phosphorus, Sulfur, and Silicon and the Related Elements, Volume 192, 2017 - Issue 7 Pages 831-834. <a href="https://doi.org/10.1080/10426507.2017.1287703">https://doi.org/10.1080/10426507.2017.1287703</a>
29	Niladri Roy Chowdhury, <b>Ratnesh Kumar</b> , Rama Kant, Theory for the chronopotentiometry on rough and finite fractal electrode: Generalized Sand equation, Journal of Electroanalytical Chemistry, Volume 802, 2017, Pages 64-77, ISSN 1572-6657. <a href="https://doi.org/10.1016/j.jelechem.2017.08.039">https://doi.org/10.1016/j.jelechem.2017.08.039</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S1572665717305970">https://www.sciencedirect.com/science/article/pii/S1572665717305970</a> )
30	<b>Ratnesh Kumar</b> , Rama Kant, Experimental corroboration of general phenomenological theory for dynamics of EDL in viscous medium on rough heterogeneous electrode, Electrochimica Acta, Volume 257, 2017, Pages 473-482, ISSN 0013-4686, <a href="https://doi.org/10.1016/j.electacta.2017.10.046">https://doi.org/10.1016/j.electacta.2017.10.046</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0013468617321448">https://www.sciencedirect.com/science/article/pii/S0013468617321448</a> )
31	<b>Md Kashif Shamim, Seema Sharma, Sangeeta Sinha and Eqra Nasreen</b> , Dielectric relaxation and modulus spectroscopy analysis of (Na <sub>0.47</sub> K <sub>0.47</sub> Li <sub>0.06</sub> ) NbO <sub>3</sub> ceramics, Journal of Advanced Dielectrics, Vol. 07, No. 03, 1750020 (2017) <a href="https://doi.org/10.1142/S2010135X17500205">https://doi.org/10.1142/S2010135X17500205</a>

32	<b>Shamim, M.K., Sharma, S. &amp; Choudhary, R.J.</b> Laser ablated lead free (Na, K) NbO <sub>3</sub> thin films with excess alkali-content , J Mater Sci: Mater Electron 28, 11609–11614 (2017). <a href="https://doi.org/10.1007/s10854-017-6962-y">https://doi.org/10.1007/s10854-017-6962-y</a>
33	<b>Md. Kashif Shamim, Arpana Singh and Seema Sharma,</b> Evaluation of structure, dielectric and electrical properties of (Li/Ta/Sb) modified (Na, K) NbO <sub>3</sub> lead-free ceramics with excess Na concentration, Journal of Advanced Dielectrics Vol. 07, No. 06, 1750037 (2017) <a href="https://doi.org/10.1142/S2010135X17500370">https://doi.org/10.1142/S2010135X17500370</a>









