K.S.R. COLLEGE OF ENGINEEING, TIRUCHENGODE – 637 215 (Autonomous)

Department: Physics

Journal Publications

Academic year	Q1	Q2	Q3	Q4	Scopus/ WOS	Others	Total
2023-24	2	-	-	-	-	-	**2**
2022-23	4	1	2	-	1	-	**8**
2020-21	1	-	-	-	1	-	**2**
2019-20	-	-	-	1	3	-	**4**
2018-19	-	-	1	-	-	-	**1**
2017-18	-	1	-	-	1	-	**2**
Total	**7**	2	3	1	**6**	**-**	**19**

Journal Publications Details

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	Vol No, Issue No & pp	Year and Month of Publication	Category Q1/Q2/ Q3/Q4	UGC Care list/ Scopus/Web of Science /other
2023-24							
1.	A.Priyadharsan, **R.Ranjith, N.** Karmegam,G.Thennarasu, S.Ragupathy, Ramasundaram	Effect of metal doping and non-metal loading on light energy driven of organic dye using Zno nanocatalysts	Journal of Chemosphere **Impact Factor 8.943**	330 & 138708	July 2023	**Q1**	Scopus
2.	A.Malathy, V.Manikandan, Sandhanasamy Devanesan, Karim Farhat, A.Priyadharsan, C.Ragavendran, S.Ragupathy, **R.Ranjith**, S.Sivakumar	Development of biohybrid Ag_2CrO_4/rGO based nonocomposites with stable flotation properties as enhanced Photocatalyst for sewage treatment and antibiotic-conjugated for antibacterial evaluation	International Journal of Biological Macromolecules **Impact Factor 8.2**	244 & 125303	July 2023	**Q1**	Scopus
2022-23							
3.	Mahalakshmi Krishnasamy, **Ranjith Rajendran** Vignesh shanmugam, Priyadharsan Arumugam, Barathi Diravidamani, Shkir Mohd,Algarni	Facile Synthesis of efficient MoS_2 coupled graphitic carbon nitride Z – scheme heterojunction nanocomposites: photocatalytic removed	Journal of Environmental Science and Pollution Reaserch **Impact Factor 5.091**	-	March 2023	**Q1**	Scopus

	Hamed,Facile.	of methylene blue dye under solar light irradiation.					
4.	Mehala Kunnamareddy, Karmegam Natchimuthu, **Kavitha Tangavelu,** Senthilkumar Palanisamy,Barathi Diravidamani, Priyadharsan Arumugam**, Ranjith Rajendran**	Enhanced visible light photocatalytic degradation of methylene blue dye using efficient Mg/S co-doped TiO2 nanoparticles	Biomass conversion and Biorefinery **Impact Factor 4.050**	1-11	May 2023	**Q3**	Scopus
5.	**R.Ranjith**, Natchimuthu Karmegam, Murad Alsawalha ,Xuefeng Hud, K. Jothimani	Construction of g-C3N4/CdS/$BiVO_4$ ternary nanocomposite with enhanced visible-light-driven photocatalytic activity toward methylene blue dye degradation in the aqueous phase	Journal of Environmental Management **Impact Factor 8.91**	330 & 117132	2023	**Q1**	Scopus
6.	**R. Ranjith** , S. Vignesh, Ramalingam Balachandar, S. Suganthi , V. Raj, Subramaniyan Ramasundaram J. Kalyana Sundar, Mohd. Shkir, Tae Hwan Oh	Construction of novel g-C_3N_4 coupled efficient Bi_2O_3 nanoparticles for improved Zscheme photocatalytic removal of environmental wastewater contaminant: Insight mechanism	Journal of Environmental Management **Impact Factor 8.91**	330 & 117134	2023	**Q1**	Scopus
7.	Mehala Kunnamareddy, Sivarasan Ganesan, Ashraf Atef Hatamleh, Bassam Khalid Alnafisi**, Ranjith Rajendran**, Ragavendran Chinnasamy, Priyadharsan	Enhancement in the visible light induced photocatalytic and antibacterial properties of titanium dioxide codoped with cobalt	Environmental Research **Impact Factor 8.431**	216 & 114705	2022	**Q1**	Scopus

	Arumugam, Barathi Diravidamani, Huang-Mu Lo	and sulfur					
8.	B.Marudhachalam, R.Kannan, **T.Kavitha**	Optimization of process condition of nanostructured nickel coating using partial factorial design	AIP conference proceedings **Impact Factor 0.402**	2446 , 1 & 170007-1 -170007-4	Nov-2022	-	Scopus
9.	Krishnasamy Mahalakshmi, **Rajendran Ranjith** , Pazhanivel Thangavelu , Matheshwaran Priyadharshini, Baskaran Palanivel , Mohamed Aslam Manthrammel , Mohd Shkir and Barathi Diravidamani	Augmenting the Photocatalytic Performance of Direct Z-Scheme Bi_2O_3/g-C_3N_4 Nanocomposite	Catalysts **Impact Factor 4.146**	12, 12 & 1-14	Dec 2022	**Q2**	Scopus
10.	Chinnaperumal Kamaraj Pachiyappan Rajiv Gandhi, Chinnasamy Ragavendran, Vimal Sugumar, R. C. Satish Kumar, **Rajendran Ranjith,** Priyadharsan,Tijo Cherian	Sustainable development through the bio-fabrication of ecofriendly ZnO nanoparticles and its approaches to toxicology and environmental protection	Biomass conversion and Biorefinery **Impact Factor 4.050**	1-17	Oct 2022	**Q3**	Scopus
2021-22							
11.	T.Krishnakumar, **A.Kiruthiga,** E.Jozwiak, K. Moulaee and G.Neri	Development of Zno-based sensorsfor fuel cell cars equipped with ethanol steam-reformer for on-board hydrogen production	Ceramics International **Impact Factor 5.2**	46, 10 & 17076-17084	July-2020	**Q1**	Scopus

12.	**T.Kiruthiga,** T.Krishnakumar &R.Kannan	Investigation of structural and optical characteristics of chromimum doped Zno nanostructures by microwave irradiated route for sensing application	AIP conference proceedings **Impact Factor 0.402**	2270 & 1	Nov-2020	-	Scopus
2019-20							
13.	V. Kalaipoonguzhali, K. SenthilKannan, C. Thirumoorthi, M. Chinnadurai and **T. Jayanalina**	Comparison of adsorption energy, ionization potential and electron affinity of CuS-ACT and CuS-Nit nanostructures monowire for nano device fabrication by computational approach	Materials Today: Proceedings **Impact Factor 1.46**	33, 7 & 2759 – 2760	Jan - 2020	-	Scopus
14.	K. SenthilKannan, P.V.Praveen Sundar, V. Kalaipoonguzhali, M. Chinnadurai and **T. Jayanalina**	Electronic transport, Homo-Lumo and computational studies of CuS-ACT monowire for nano device fabrication by software approach	Materials Today: Proceedings **Impact Factor 1.46**	33, 7 & 2756 – 2758	Jan - 2020	-	Scopus
15.	**A. Kiruthiga** , T. Krishnakumar & R. Kannan	The effect of surfactant on the structural and optical properties of ZnO nanorods by wet chemical synthesis	AIP conference proceedings **Impact Factor 0.402**	2142	Aug - 2019	-	Scopus
16.	**A. Kiruthiga ,** & T. Krishnakumar	Effect of Cr doping on the structural and magnetic properties of ZnO nanostructures	Caribean journal of science **Impact Factor 0.2**	53, 2 & 1361 - 1371	Aug - 2019	Q4	Scopus

2018-19							
17.	**A. Kiruthiga** , & T. Krishnakumar	Investigation of Structural and Magnetic Properties of Molybdenum Doped ZnO Nano Structures Prepared by Microwave – Assisted Wet Chemical Method.	Journal of Ovonic Research **Impact Factor 0.687**	15, 2 & 117-125	April 2019	**Q3**	Others
2017-18							
18.	**A. Kiruthiga** , R. Kannan & T. Krishnakumar	Impact of PEG6000 on the Physical Properties of microwave – assisted ZnO nanostructures using wet chemical synthesis	Rasayan Journal of Chem **Impact Factor 1.22**	11,1 & 18 - 22	2018	**Q2**	Scopus
19.	**A.Kiruthiga** & T.Krishnakumar	The Influence of Sodium Dodesyl SulfateSurfactant on the Physical Properties of Zno by wet Chemical Synthesis	International journal of creative research thoughts **Impact factor: 7.97**	6,1 & 677 – 681	2018	-	Scopus