



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), ERODE-12.
National/International Journal Publications in 2020-2021
Department of Science and Humanities

Department	No. Papers published	No. of Book Chapter published
Mathematics	-	1
Physics	4	
Chemistry	3	
English	-	
General Engineering	-	
Total	7	1

S. No	Academic Year	Department	Author	Title of the paper	Name of the journal	Int. Nat. / National	Vol. No.	Issue No.	Page No.	Month & Year	ISSN number	Indexed in Scopus / Web of Science /	Impact factor of the journal
1	2020-2021	Physics	Dr.S.Ranjitha	Synthesis and development of novel sensitizer from spirulina pigment with silver doped TiO ₂ nano particles for bio-sensitized solar cells	Biomass & Bioenergy	International	141	-	105733	August 2020	0961-9534	Scopus / Web of Science / Pubmed	5.061
2	2020-2021	Physics	S.Devi, Dr.Deepa Jananakumar	Structural, optical, spectroscopic and thermal investigations on novel semi-organic nonlinear optical material – Potassium boro-oxalate single crystal	Chinese Journal of Physics	International	68	-	339- 347	Dec 2020	0577-9073	Scopus, Web of Science	3.237
3	2020-2021	Physics	S.Devi, Dr.Deepa Jananakumar	Structural, optical and thermal studies of novel nonlinear optical materials– L – Valine doped Guanidine carbonate single crystals	Materials Today: Proceedings	International	42	2	1353-1355	February 2021	2214-7853	Scopus	1.24

4	2020-2021	Physics	P.Kirthika, N.Thangaraj	Effect of bath temperature and deposition time on electrodeposited Nickel Manganese magnetic thinfilms.	Materials Today: Proceedings	International	42	2	1361-1365	February 2021	2214-7853	Scopus	1.24
5	2020-2021	Chemistry	Dr.K.Manikandan	Synthesis and characterisation of pure and W-doped TiO ₂ nanoparticles and its application to antimicrobial activity	Wutan Huatan Jisuan Jishu	International	XVI	X	102 - 115	October 2020	1001-1749	https://www.scopus.com/sourceid/87584	5.5
6	2020-2021	Chemistry	M.Priya	Shrimp Waste Extract as an Efficient Green Corrosion Inhibitor for Mild Steel in Acidic Environment	Wutan Huatan Jisuan Jishu	International	XVI	X	424 - 435	October 2020	ISSN: 1001-1749	https://www.scopus.com/sourceid/87584	5.5
7	2020-2021	Chemistry	M.Gowri	Water Quality Assessment of Ground Water in The Villages of Vembathi Panchayat, Anthiyur Taluk, in Erode District, Tamil Nadu	IAETSD Journal for Advanced Research in Applied Sciences	International	VIII	II	32-35	Feb-20	ISSN: 2394-8442	Google Scholar	5.8

Book Chapter Publication

Title of the	Chapter Title	Authors	Publisher	Year
Energy and Power	A mathematical approach for the selection of Renewable energy sources to progress towards Sustainable Energy	K.Rathi and S.Muruganantham	ESN Publications ISBN 978-81-947019-5-8	2021

National/International Journal Publications in 2019-2020

Department	No. Papers published
Mathematics	1
Physics	2
Chemistry	5
English	5
General Engineering	1
Total	14

S. No	Academic Year	Department	Author	Title of the paper	Name of the journal	Int. Nat. / National	Vol. No.	Issue No.	Page No.	Month & Year	ISSN number	Indexed in Scopus / Web of Science / Pubmed / others	Impact factor of the journal
1	2019-2020	Mathematics	S.Senthil Raj	Dissipativity analysis of stochastic fuzzy neural networks with randomly occurring uncertainties using delay dividing	Nonlinear Analysis: Modelling and Control	International Journal	24	4	561 to 581	June 2019	ISSN: 1392-5113 e-ISSN: 2335-8963	Indexed in SCOPUS DOI: https://doi.org/10.15388/NA.2019.4.5	IF-0.896 Web of Science IF:2.339
2	2019-2020	Physics	S. Devi, Deepa Jananakumar	Growth, structural, optical and thermal studies of semi-organic nonlinear optical potassium hydrogenoxalate	Applied Physics A	International	126	6	Article no. 394	May 2020	E-ISSN 1432-0630 Print ISSN 0947-8396	SCOPUS Science Citation Index Science Citation Index Expanded (SciSearch) UGC-CARE List Scopus, INSPEC	IF:1.810 (2019)
3	2019-2021	Physics	N.Thangaraj and T. Aruna Christy	Effect of current density on electrodeposited cobalt ferrous tungsten phosphorus magnetic	Materials Today: Proceedings	International	In Press			May 2020	ISSN: 2214-7853	https://doi.org/10.1016/j.matpr.2020.04.337	IF:0.97
4	2019-2020	Chemistry	Manikandan, K., Thirugnanasundar, A., Jafar Ahamed, A.	The investigation on structural, optical and morphological behaviour of pure and Co-doped TiO ₂ nanoparticles developed via sol-gel approach for biological	Material Research Express	International	6	12	1-11	Feb 2020	ISSN: 2053-1591	Scopus, Web of Science - SCI expanded https://doi.org/10.1088/2053-1591/ab73f9	IF: 1.929
5	2019-2020	Chemistry	Elangovan S V	Photocatalytic degradation of waste water containing Congo red by Zinc oxide nano photocatalyst	International Journal of Innovative Technology and Creative Engineering	International Journal	9	6	669-704	June 2019	ISSN : 2045 – 8711	-	-
6	2019-2020	Chemistry	S.Kalai selvi	Optimization of column studies on the adsorption of Congo red dye using phosphoric acid treated Eichhornia	International Journal of ChemTech Research	International Journal	12	5	188-199	July 2019	ISSN: 0974-4290 E-ISSN 2455-9555	-	-
7	2019-2020	Chemistry	S.Kalai selvi	Adsorption of Congo red from aqueous solution onto activated carbon obtained from Eichhornia Crassipes	International Journal of Research and Analytical	International Journal	6	2	181-189	June 2019	P-ISSN 2349-5138 E-ISSN: 2348-1269	-	-
8	2019-2020	Chemistry	S.Kalai selvi	Adsorption of Synthetic Textile Wastewater with Phosphoric acid modified Carbon and	International Journal of Research and Analytical	International Journal	6	2	334-342	June 2019	P-ISSN 2349-5138 E-ISSN: 2348-1269	-	-
9	2019-2020	English	S.Hemalatha, D.Mythily	Approaches to Develop Reading Skills	International Journal of English Language, Literature in Humanities (IJELLH)	International Journal	7	8	114-126	August 2019	2321-7065	-	-
10	2019-2020	English	S. Gomathi	Tell Your Story: It's Worth Telling	IJELLH	International Journal	7	8	443-446	August 2019	2321-7065	-	-
11	2019-2020	English	B.S.Gomathi	Improving Communication Skills of UG Engineering Students - A Special Emphasis on Reading	IJELLH	International Journal	7	8	32-47	August 2019	2321-7065	-	-
12	2019-2020	English	S. Sanjeev Kumar	The Society and Psychology	IJELLH	International Journal	7	8	370-377	August 2019	2321-7065	-	-
13	2019-2020	English	S. Tamil Selvi	English: An Essential Key to Success	IJELLH	International Journal	7	8	100-107	August 2019	2321-7065	-	-
14	2019-2020	General Engineering	M.Aruna, S.Sugumaran, V.Srinivasan	Mean Centroid K-Means Clustering (MCKM) Based on Boundary Region	Digital Signal Processing (CiiT)	International Journal	12	1	1-7	Jan 2020	0974 – 9594	Google Scholar, ULRICHSWEB, Microsoft Academic Search, Academic	-

National/International Journal Publications in 2018-19

Department	No. Papers published
Mathematics	2
Physics	1
Chemistry	2
English	1
General Engineering	2
Total	8

S. No	Academic Year	Department	Authors	Title of the paper	Name of the journal	Int. Nat. / National	Vol. No.	Issue No.	Page No.	Month & Year	ISSN number	Indexed in Scopus / Web of Science / Pubmed / others	Impact factor of the journal
1	2018-2019	Mathematics	K.Rathi, S.Muruganatham	Absolute point algorithm for solving unbalanced fuzzy transportation	Transportation Management	International Journal	1	-	Online First	Jul-18	ISSN: 2578-1944 (Online)	DOI: 10.24294/tm.v1i2.573	-
2	2018-2019	Mathematics	S.Senthil Raj, Raja Ramachandran, Samidurai Rajendiran, Jinde Cao and Xiaodi Li	Passivity analysis of uncertain stochastic neural network with leakage and distributed delays under impulsive perturbations	Kybernetika	International Journal	54	1	3 to 29	Jul-18	ISSN: 0023-5954	Indexed in SCOPUS DOI: 10.14736/kyb-2018-1-0003	0.632
3	2018-2019	Physics	Ranjitha S, LavanyaDhevi R	Photovoltaic and Impedance Spectroscopy Analysis of ZrO ₂ / TiO ₂ Composites for	International Journal of Advanced Science and Engineering	International Journal	5	7	948-956	Nov-18	2454-9967	https://doi.org/10.29294/IJASE.5.2.2018.948-956	5.183
4	2018-2019	Chemistry	K.N.Prabhakar	Nickel (II) removal from aqueous solutions by Lagerstroemia Indica Seeds activated carbon	International Journal for Research in Engineering Application and Management	International Journal	4	8	530-534	2018	2454-9150	Thomson Reuters I2OR, Google Scholar	4.438
5	2018-2019	Chemistry	K.N.Prabhakar, P.Satheesh Kumar and N.Jaya kumar	Removal of Chromium (VI) from aqueous solutions onto Lagerstroemia Indica Seeds activated carbon by adsorption	International Journal of Research in Advent Technology	International Journal	6	11	2966-2971	2018	2321-9637	UGC Approved Journal, Mendely, Scribd, J-Gate, Google Scholar etc	-
6	2018-2019	English	S.Hemalatha	Strategies to Improve Reading Skills	International Journal of Business Intelligence and Innovation	International Journal	1	-	7-13	Sep-18	ISSN: 23484705	-	-
7	2018-2019	General Engineering	M.Aruna Dr.S.Sukumaran	Precision Clustering Based on Boundary Region Analysis for Share Market Database	International Journal of Computer Sciences and Engineering	International Journal	7	4	113-118	2019	2347-2693	UGC Approved Journal	3.022
8	2018-2019	General Engineering	M.Aruna Dr.S.Sukumaran	Feature Selection for Share Market Dataset Using Entropy and Information Gain	Journal of Applied Science and Computations	International Journal	6	4	114-119	2019	1076-5131	UGC Approved Journal	5.8