



Hindusthan College of Engineering and Technology

(An Autonomous Institution, Approved by AICTE, New Delhi,
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)
Valley Campus, Pollachi Highway, Coimbatore – 641032



DEPARTMENT OF ENGLISH

LIST OF JOURNAL PUBLICATIONS BY THE FACULTY

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
1	Dr. E. Sumathi Associate Professor	Bildungs Roman in Avni Doshi's 'Girl in White Cotton	http://dx.doi.org/D.O.I%20-%2010.51201/JUSST/21/10874
2	Dr. E. Sumathi Associate Professor	Communication and interculturalism in the female protagonists in the novels of Kamala Markanday	https://journalppw.com/index.php/jpsp/article/view/5830
3	Dr. E. Sumathi Associate Professor	Crossing the Patriarchal Thresholds of Maya in SECOND thoughts	https://www.amazon.in/Emerging-Psyche-Indian-Women-Perspective/dp/B09PNGSMX9
4	Dr. E. Sumathi Associate Professor	Technology: Its use in English Language Learning	https://www.langlit.org/
5	Mr. A. Justin Diraviam Assistant Professor	Resilience and Resistance Power in Gloria Naylor novel the Mama Day	http://doi.org/10.37897.21.4993511.21.49935
6	Ms. M. Sumithasree Assistant Professor	Bildungs Roman in Avni Doshi's 'Girl in White Cotton	http://dx.doi.org/D.O.I%20-%2010.51201/JUSST/21/10874



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DEPARTMENT OF MATHEMATICS

LIST OF JOURNAL PUBLICATIONS BY THE FACULTY

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
1	Dr. K.P. Uma Professor & Head	Determination Of Manpower Model For A Single Grade System With Two Sources Of Depletion And Two Components For Threshold	http://dx.doi.org/10.4108/eai.12-9-2018.155563
2	Dr. K.P. Uma Professor & Head	Cost Analysis on a Bivariate Policy of Recruitment in Manpower Planning When Threshold Has Four Components	http://dx.doi.org/10.12988/ams.2014.44316
3	Dr. K.P. Uma Professor & Head	Histological Grading of Oral Tumors using Fuzzy Cognitive Map	https://dx.doi.org/10.13005/bpj/1281
4	Dr. K.P. Uma Professor & Head	Application Of Fuzzy Cognitive Map In Voluntary Retirement Analysis	doi: 10.12732/ijpam.v118i11.40
5	Dr. K.P. Uma Professor & Head	Estimation of time to recruitment for a three graded system	http://dx.doi.org/10.21474/IJAR01/2640
6	Dr. K.P. Uma Professor & Head	Analysis of a two grade system when Interdecision times have exponential geometric distribution	DOI 10.1088/1742-6596/1139/1/012036

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
7	Dr. K.P. Uma Professor & Head	Implementation of Fuzzy Cognitive Map and Support Vector Machine for Classification of Oral Cancers	https://doi.org/10.4108/eai.12-9-2018.155559
8	Dr. K.P. Uma Professor & Head	Mean time to recruitment for three grades with two sources of depletion	http://dx.doi.org/10.4108/eai.12-9-2018.155565
9	Dr. K.P. Uma Professor & Head	Manpower Model for a Two Grade System with Correlated Inter-Decision Times and Univariate Policy of Recruitment	http://dx.doi.org/10.14419/ijet.v7i4.10.26108
10	Dr. K.V. Girija Professor	Application of Randomized Block Design in the Study of Renewable Power Production from Various Energy Sources in Four Diverse States of India.	[DOI: 10.24214/jecet.A.12.1.01925.]
11	Dr. K. Kannan Professor	On βg^{\wedge} -Continuous And βg^{\wedge} -Irresolute Maps In Topological Spaces	https://doi.org/10.1016/j.procs.2015.03.218
12	Dr. K. Kannan Professor	On $\beta g(\theta)$ Coenvergence and Adherence in Topological Spaces via Grill	DOI:http://dx.doi.org/10.36478/ajit.2017.333.336
13	Dr. K. Kannan Professor	On β -Generalized closed sets and open sets in topological spaces	DOI:10.12988/ijma
14	Ms. A.Narmadha Associate Professor	On regular b-open sets in topological spaces	http://dx.doi.org/10.12988/ijma.2013.13091
15	Dr. K. Kavithamani Associate Professor	A Trending Study On The Neutrosophication of Z-Transform	https://jusst.org/a-trending-study-on-the-neutrosophication-of-z-transform/

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
16	Dr. K. Kavithamani Associate Professor	A fuzzy purchase model with backorders - GMI method of defuzzification	doi:10.1088/1742-6596/2332/1/012003
17	Dr. K. Kavithamani Associate Professor	A Study on Meantime Assessment Intuitionistic Reluctant Fuzzy Auxiliary Nearing and Meantime Assessment Intuitionistic Triangular Reluctant Fuzzy Auxiliary Nearing	DOI: 10.48175/IJARSCT-653
18	Dr. K. Kavithamani Associate Professor	Interval valued hesitant fuzzy subnearing bonferroni mean and interval valued hesitant fuzzy subnearing weighted bonferroni mean	10.35629/5252-0211189196
19	Dr. R. Poornima Associate Professor	Advanced Study on The Neutrosophic Convolution Inequalities of Z – Transform	https://doi.org/10.37896/jxu16.8/008
20	Dr. R. Poornima Associate Professor	Neutrosophic Newton Raphson Method in Mechanical Engineering	https://solidstatetechnology.us/index.php/JSS/T/issue/view/52
21	Dr. R. Poornima Associate Professor	A Trending Study On The Neutrosophication Of Z Transform	https://ijcrt.org/hardcopyInfo.php
22	Dr. R. Poornima Associate Professor	A Study On Meantime Assessment Q-Intuitionistic Reluctant Fuzzy Auxiliary Nearing	DOI: 10.48175/IJARSCT-653
23	Dr. R. Poornima Associate Professor	A Study on Meantime Assessment Intuitionistic Reluctant Fuzzy Auxiliary Nearing and Meantime Assessment Intuitionistic Triangular Reluctant Fuzzy Auxiliary Nearing	DOI:10.48175/IJARSCT-653

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24	Dr. R. Poornima Associate Professor	Interval -Valued Hesitant Fuzzy Subnearring Bonferroni Mean and Interval -Valued Hesitant Fuzzy Subnearring Weighted Bonferroni Mean	DOI: 10.35629/5252-0211189196
25	Dr. R. Poornima Associate Professor	IOT based Real Time Environmental Monitoring system using Blynk Application	http://sersec.org/journals/index.php/IJGDC/article/view/34836
26	Dr. R. Poornima Associate Professor	Analysis of time to recruitment of a manpower model for an organization with two source of depletion and two components for threshold for the depletion of manpower	https://www.druckhaus-hofmann.de/gallery/9-wj-february-2126.pdf
27	Dr. R. Poornima Associate Professor	Meantime Assessment Anti \mathcal{Q} - Reluctant Frizzly Auxiliary Nearrings of PS-Algebras	https://www.ijisrt.com/volume-3-2018_issue-7-july
28	Dr. R. Poornima Associate Professor	Application of Cognitive map in voluntary retirement analysis	DOI:10.12732/ijpam.v118i11.40
29	Dr. R. Poornima Associate Professor	Interval Valued Hesitant Fuzzy Subnearrings	http://www.pphmj.com/journals/articles/1666.htm
30	Dr. R. Poornima Associate Professor	A Study on Interval-Valued Anti-Hesitant Fuzzy Subnearrings	https://www.ripublication.com/gjpam17/gjpamv13n5_11.pdf
31	Dr. R. Poornima Associate Professor	Interval-Valued \mathcal{Q} - Hesitant Fuzzy Normal Subnearrings	https://www.ripublication.com/afm17/afmv12n2_09.pdf
32	Dr.T.Rojamary Associate Professor	Mathematical representation of Wind Turbine Power reliability	DOI 10.1088/1742-6596/1921/1/012126

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33	Dr.T.Rojamary Associate Professor	Cost Analysis on a Bivariate Policy of Recruitment in Manpower Planning When Threshold Has Four Components	http://dx.doi.org/10.12988/ams.2014.44316
34	Dr.T.Rojamary Associate Professor	Mean time to recruitment for three grades with two sources of depletion	http://dx.doi.org/10.4108/eai.12-9-2018.155565
35	Dr.T.Rojamary Associate Professor	A Manpower Model For The Cost Analysis In A Single Grade System When Threshold For The Loss Of Manpower Has Two Components	https://ijret.org/volumes/2014v03/i19/IJRET20140319157.pdf
36	Dr.T.Rojamary Associate Professor	Determination of Mean and Variance of the Time to Recruitment with Two sources of Depletion.	https://journals.pen2print.org/index.php/ijr/article/view/264/254
37	Dr.T.Rojamary Associate Professor	A stochastic model for a single grade system with backup resource of manpower	https://www.malayajournal.org/archive/selected_article.php?id=103
38	Dr.T.Rojamary Associate Professor	Determination of Mean and Variance of the Time for Recruitment with Two sources of Depletion.	https://acadpubl.eu/jsi/2017-117-20-22/articles/20/8.pdf
39	Dr. S. Girija Associate Professor	Purchasing Model with Fuzzy Cost Parameters	https://www.provinciajournal.com/index.php/telematique/article/view/267
40	Dr. S. Girija Associate Professor	Frontier and Semifrontier Sets in Intuitionistic Topological Spaces	doi:10.4108/eai.12-9-2018.155558
41	Dr. S. Girija Associate Professor	Semi connected spaces in intuitionistic topological spaces	https://doi.org/10.26637/MJM0S20/0018

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
42	Dr. S. Girija Associate Professor	Intuitionistic Weakly Semi Open Functions	https://doi.org/10.37418/amsj.9.5.61
43	Dr. S. Girija Associate Professor	Advanced Study on The Neutrosophic Convolution Inequalities of Z –Transform	https://doi.org/10.37896/jxu16.8/008
44	Dr. S. Girija Associate Professor	Study on frontier, border and exterior sets in intuitionistic topological spaces	https://www.researchgate.net/publication/330014875_Study_on_frontier_border_and_exterior_sets_in_intuitionistic_topological_spaces/1
45	Dr. S. Girija Associate Professor	Semi closed and semi continuous mapping in intuitionistic topological	https://www.researchgate.net/publication/330012145_Semi_closed_and_semi_continuous_mapping_in_intuitionistic_topological_spaces
46	Dr. K . Anitha Assistant Professor	Strongly g^* -Continuous Maps and Perfectly g^* -Continuous Maps in Topological Spaces	http://www.m-hikari.com/imf/imf-2012/21-24-2012/anithaIMF21-24-2012.pdf
47	Dr. B. Sujatha Assistant Professor	Strong Structures of Tau star -generalized lamda-Continuous Functions in Topological Spaces	https://drive.google.com/file/d/1-FniUVjEKhWbTkldT4WYzHO7zBbSypS/view?usp=sharing
48	Dr. B. Sujatha Assistant Professor	δg^* Closed sets in grill topological spaces	https://doi.org/10.26637/MJM0704/0031
49	Dr. B. Sujatha Assistant Professor	ON delta g cap homeomorphism in grill topological spaces	https://www.jetir.org/papers/JETIR2006059.pdf
50	Dr. B. Sujatha Assistant Professor	Neutrosophic αg^* closed sets in neutrosophic topological spaces	Vol 28 No 3 (2021): Nonlinear Studies (NS)

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
51	Dr. B. Sujatha Assistant Professor	Grill nano delta g cap -Closed Sets In Grill Nano Delta Topological Spaces	http://www.ijaresm.com/uploaded_files/document_file/Dr. N . Chandramathi1, B . Sujatha2, J .R . Sujithra3 E9eA.pdf
52	Dr. B. Sujatha Assistant Professor	δg^{\wedge} locally Closed sets in grill delta topological spaces	https://drive.google.com/file/d/1-FniUVjEKhWbTkldT4WYzHO7zBbSypS/view?usp=sharing
53	Ms. H. fathima Assistant Professor	Application of RAM in Dual Hesitant Fuzzy Transportaion proble.	https://doi.org/10.52783/jas.v13i2.243
54	Ms. H. fathima Assistant Professor	Cognitive Analysis of the influence of Online Education in Performance level of Learning during the Pre and Post Pandemic period using Chi – Square Test.	[DOI: 10.24214/jecet.B.11.4.40105.]
55	Ms. S. Padma Assistant Professor	Deriving Non-Negative Solution for Lotka- Voltlerra Model with Cross-Diffusion Using Persistent Deforming Analysils Method.	https://www.semanticscholar.org/paper/DERIVING-NON-NEGATIVE-SOLUTION-FOR-LOTKA-VOLTERRA-Padma-Vanaja/1539ae9d8d8b7be9cef209096a9fa6218402e5ea
56	Ms. S. Padma Assistant Professor	The Steady-State Concentration of the Species in a Reagentless Enzyme-Containing Polymer Modified Electrode Using Akbari-Ganji's method	doi: 10.20964/2022.03.34
57	Ms. S. Padma Assistant Professor	Mathematical Analysis for Electron Transfer Mediator/Heterogeneous Catalyst Composites in Polymer Modified Electrodes	doi: 10.20964/2022.06.44

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
58	Ms. S. Padma Assistant Professor	Epidemiological Nonlinear Modeling of Middle East Respiratory Syndrome Coronavirus in Saudi Arabia Using Homotopy Perturbation Method	http://dx.doi.org/10.31031/cojrr.2022.03.000574
59	Ms. S. Padma Assistant Professor	Mathematical Modeling and Analysis of Leukaemia Transmission: Homotopy Perturbation Method	10.31031/NACS.2022.06.000649
60	Ms. S. Padma Assistant Professor	Cognitive Analysis of the influence of Online Education in Performance level of Learning during the Pre and Post Pandemic period using Chi – Square Test.	[DOI: 10.24214/jecet.B.11.4.40105.]
61	Ms. S. Padma Assistant Professor	Application of Randomized Block Design in the Study of Renewable Power Production from Various Energy Sources in Four Diverse States of India.	[DOI: 10.24214/jecet.A.12.1.01925.]
62	Mr. D. Arunkumar Assistant Professor	Impulsive Integro Differential Equation With Antiperiodic Boundary Conditions On Time Scales	https://serialsjournals.com/abstract/38780_126-62.592.pdf
63	Mr. D. Arunkumar Assistant Professor	Existence Of Impulsive Integrodifferential Equations With Integral Boundary Conditions	http://iasir.net/document/AIJRSTEMflayer.pdf
64	Mr. D. Arunkumar Assistant Professor	Existence Of Solutions Of Antiperiodic Boundary Value Problems For a Non Linear Third Order Impulsive Integro Dynamic System On Time Scales	DOI:10.5890/DNC.2022.12.005
65	Mrs. Sathya Assistant Professor	.Controllability Results For Nonlinear Impulsive Fuzzy Neutral Integrodifferential Evolution Systems. 2017	10.12732/ijpam.v114i1.6

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
66	Mrs. Sathya Assistant Professor	Controllability and Periodicity Results for Neutral Impulsive Evolution System in Banach Spaces. 2019.	http://monotone.uwaterloo.ca/~journal/
67	Mrs. Sathya Assistant Professor	Controllability of nonlinear Hilfer fractional Langevin dynamical system. 2022.	https://doi.org/10.1002/num.22914
68	Mrs. Sathya Assistant Professor	Controllability of Hilfer Fractional Langevin Dynamical System with Impulse in an Abstract Weighted Space. 2022	10.1007/s10957-022-02081-4
69	Mrs. Sathya Assistant Professor	Controllability and Asymptotically Almost Periodic Result of Nonlinear Neutral Integrodifferential Evolution System. 2022	DOI 10.4108/eai.7-12-2021.2314626



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DEPARTMENT OF PHYSICS

LIST OF JOURNAL PUBLICATIONS BY THE FACULTY

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
1	K. Sivakumar Professor	Influence of pH on ZnO nanocrystalline thin films prepared by sol-gel dip coating method	https://doi.org/10.1007/s12034-012-0305-7
2	K. Sivakumar Professor	Zinc oxide nanoparticles reinforced conducting poly(aniline-co-pphenylenediamine) nanocomposite	https://doi.org/10.1080/15685543.2012.739502
3	K. Sivakumar Professor	Conducting Copolymer/ZnO Nanocomposite: Synthesis, Characterization, and Its Photocatalytic Activity for the Removal of Pollutants	https://doi.org/10.1080/15533174.2013.809743
4	K. Sivakumar Professor	Poly(aniline-co-o-toluidine) Encapsulated Zinc Oxide Nanocomposite: Preparation, Characterization, and Photocatalytic Reduction of Cr(VI)	https://doi.org/10.1080/15533174.2014.965112
5	K. Sivakumar Professor	Influence of annealing temperature on nanocrystalline ZnO thin films prepared by sol-gel dip coating method	https://doi.org/10.4028/www.scientific.net/AMR.678.97

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6	K. Sivakumar Professor	Photocatalytic and Antimicrobial Activities of Poly(aniline-co-o-anisidine)/Zinc Oxide Nanocomposite	http://doi.org/10.53550/EEC.2022.v28i08s.044
7	K. Sivakumar Professor	Removal of Methylene blue Dye from water through Photocatalytic Activity Using Polymer-Metal Oxide Nanocomposites – a Comparative Study	https://doi.org/10.37358/MP.22.4.5625
8	S. Balamurali Associate Professor	SILAR Technique–Grown Mn-doped ZnO Thin Films	https://doi.org/10.1007/s13538-021-00953-0
9	S. Balamurali Associate Professor	Morphological Variations of Mn-Doped ZnO Dilute Magnetic Semiconductors Thin Films Grown by Successive Ionic Layer by Adsorption Reaction Method	https://doi.org/10.1002/jemt.22226
10	S. Balamurali Associate Professor	Optical and magnetic properties of Mn doped ZnO thin films grown by SILAR method	https://doi.org/10.1007/s10854-012-1012-2
11	S. Balamurali Associate Professor	Structural and Optical Prosperities of Nickel Doped Zinc Oxide Thin Films Grown by Low Cost Modified SILAR MethodThin Films Grown by Low Cost Modified SILAR Method	https://www.naturalspublishing.com/files/published/0ufcf1z18253g7.pdf
12	S. Balamurali Associate Professor	The Influence Of Ni Doping On The Photoluminescence Properties Of Zno Thin Films Grown By Silar Method	https://www.journalcra.com/sites/default/files/issue-pdf/2303.pdf
13	B.Mahalakshmi Assistant Professor	A Review of Indian Scenario on Energy Conservation in Ceiling Fans Powered by BLDC Motors	DOI: 10.1109/i-PACT52855.2021.9696790

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
14	B.Mahalakshmi Assistant Professor	A Study on Energy Efficiency of Agriculture Pumpsets in India	DOI: 10.1109/i-PACT52855.2021.9696470
15	B.Mahalakshmi Assistant Professor	Green Synthesis of Silver Nanoparticles Using Mukia Maderaspatana	DOI 10.1088/1742-6596/1979/1/012044
16	B.Mahalakshmi Assistant Professor	Evaluation and Impacts of Minimum Energy Performance Standards of Electrical Motors in India	https://doi.org/10.1002/9781119872061.ch2
17	S. Jainulabdeen, Assistant Professor	Investigations of ZnO Nanorod Films Grown by Hydrothermal Method for Ethanol Gas Sensor	https://doi.org/10.1142/S0219581X19500224
18	S. Jainulabdeen, Assistant Professor	X-ray determination of charge transfer in solar grade GaAs	https://doi.org/10.1016/j.jpccs.2007.08.001
19	S. Jainulabdeen, Assistant Professor	Non-nuclear maxima (NNM), symmetric and asymmetric charge distribution in solar grade Si and n-GaAs, using X-ray powder data	https://doi.org/10.1016/j.physb.2007.06.010
20	Nithiya N Assistant Professor	EPR and EDAX Studies on as-synthesized VO ₂ ⁺ doped C ₃ H ₉ Br ₂ CdNo ₃ single crystal by facile slow evaporation technique and spin Hamiltonian and molecular orbital analysis	http://10.0.20.161/zenodo.6345543
21	Nithiya N Assistant Professor	EPR Analysis of Cu ²⁺ ion Doped Potassium borodicitrate Single Crystal	https://doi.org/10.48048/tis.2022.1917
22	Seifunnisha O Assistant Professor	Effect of Aloe vera/Copolymer Pluronic F127 blends on the Antimicrobial Activity	http://dx.doi.org/10.24327/ijrsr.2020.1101.5043

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23	Seifunnisha O Assistant Professor	Aloevera mediated green synthesis of ZnO nanostructure under sol gel method: Effect of Antimicrobial activity	https://jnep.sumdu.edu.ua/download/numbers/2020/2/articles/en/Print_JNEP_02041.pdf
24	Seifunnisha O Assistant Professor	Nonwetable Antibacterial thin film: PS/Aloe vera and PS/Acalypha indica	https://doi.org/10.1177/09673911211017869
25	Seifunnisha O Assistant Professor	Influence of Aloevera and PF127 on the Evaluation of Photocatalytic degradation of MG dye under UV light and Visible light irradiation by ZnO nanomaterial	https://doi.org/10.1016/j.ijleo.2021.168064
26	Prabhu S, Assistant Professor	Enhanced visible light induced dye degradation and antibacterial activities of ZnO/NiO nanocomposite synthesized using Clitoria ternatea flower extract	https://doi.org/10.1016/j.inoche.2022.110077
27	Prabhu S, Assistant Professor	Green based synthesis of Zinc Oxide Nanoparticles using Clitoria ternatea flower extract and its Antibacterial activity	DOI: 10.5101/nbe.v13i4.p394-400.
28	Prabhu S, Assistant Professor	Investigation on the Photocatalytic and Antibacterial Activities of Green synthesized Cupric Oxide Nanoparticles using Clitoria ternatea	https://doi.org/10.30495/ijc.2022.689547
29	Prabhu S, Assistant Professor	Synthesis and characterization of nickel oxide nanoparticles using Clitoriaternatea flower extract: Photocatalytic dye degradation under sunlight and antibacterial activity applications	https://doi.org/10.1016/j.rechem.2022.100285

S.No	Name of the Faculty & Designation	Title of the Paper	DOI Link
30	Prabaharan K Assistant Professor	Effect of Cr-doping on the structural,optical and magnetic properties of ZnS nanoparticles prepared by chemical precipitation method	https://www.yumpu.com/en/document/read/55817158/effect-of-cr-doping-on-the-structurloptical-and-magnetic-properties-of-zns-nanoparticles-prepared-by-chemical-precipitation-
31	Prabaharan K Assistant Professor	Influence of source concentration on the Structural and optical properties of SnO2 nanoparticles prepared by chemical precipitation method	https://doi.org/10.1007/s12648-014-0499-1
32	Prabaharan K Assistant Professor	Structural and luminensence characteristics of nanocrystalline SnO2 doped with co2+	http://www.scopus.com/inward/record.url?eid=2-s2.0-84980327606&partnerID=MN8TOARS
33	Prabaharan K Assistant Professor	Structural, optical and magnetic properties of Co(Cobalt) doped SnO2 nanoparticles by one stepmethod	https://chalcogen.ro/333_ArumugamP.pdf
34	Prabaharan K Assistant Professor	Study of Plasmonic Resonance of Gold through refractive index	http://dx.doi.org/10.4172/2169-0022.1000155



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DEPARTMENT OF CHEMISTRY

LIST OF JOURNAL PUBLICATIONS BY THE FACULTY

S.No.	Name of the Faculty & Designation	Title of the Paper	DOI Link
1	Dr. K. Karunakaran Professor	Kinetic investigation of oxidation of aromatic anils by magnesium monoperoxyphthalate in aqueous acidic medium	https://doi.org/10.2478/pjct-2013-0044
2	Dr. K. Karunakaran Professor	Kinetic investigation of oxidation of aromatic anils by potassium peroxymonosulphate in aqueous medium	https://doi.org/10.1002/kin.20794
3	Dr. K. Karunakaran Professor	Kinetics and Mechanism of <i>meso</i> -TetraphenylporphyrinIron(III) Chloride Catalysed Oxidation of Indole-3-Acetic Acid by Peroxomonosulphate	https://www.hindawi.com/journals/jchem/2013/186168/fig3/
4	Dr. K. Karunakaran Professor	Kinetic, equilibrium and thermodynamic studies on removal of Cr(VI) by activated carbon prepared from Ricinus Communis seed shell	https://doi.org/10.1002/cjce.20675
5	Dr. K. Karunakaran Professor	<i>meso</i> -Tetraphenylporphyriniron(III)chloride catalyzed oxidation of aniline and its substituents by magnesium monoperoxyphthalate in aqueous acetic acid medium	https://doi.org/10.2478/v10026-012-0099-9
6	Dr. K. Karunakaran Professor	PdNi-decorated manganite nanocatalyst for electrooxidation of ethylene glycol in alkaline media	https://doi.org/10.1007/s11581-012-0727-7

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7	Dr. K. Karunakaran Professor	PdNi-coated manganite nanorods as catalyst for electrooxidation of methanol in alkaline medium	https://doi.org/10.1007/s13204-011-0049-5
8	Dr. K. Karunakaran Professor	Specific and Selective Estimation of Some Antiviral Drugs in Presence of Eight Impurities by Liquid Chromatography	https://doi.org/10.6227/jfda.2012200203
9	Dr. K. Karunakaran Professor	Development and validation of a stability Indicating RP-HPLC method for simultaneous estimation of Paracetamol Tramadol HCL and Domperidone in combined dosage form	DOI: 10.4314/tjpr.v11i1.13
11	Dr. K. Karunakaran Professor	Development and Application of Stability Indicating HPLC Method for the Determination of Nevirapine and its Impurity in Combination Drug Product	https://doi.org/10.1556/achrom.24.2012.4.5
12	Dr. K. Karunakaran Professor	Simultaneous estimation of Pioglitazone, Glimpiride and Glimpiride impurities in combination drug product by a validated stability- indicating RP-HPLC method	DOI: 10.4067/S0717-97072011000300021
13	Dr. K. Karunakaran Professor	Kinetic, equilibrium and thermodynamic studies on removal of Cr(VI) by activated carbon prepared from CajanusCajan(L) Milsp seed shell	https://doi.org/10.2478/v10026-011-0041-6
14	Dr. K. Karunakaran Professor	Single RP-HPLC Method for Simultaneous Estimation of Pioglitazone, Glibenclamide and Glibenclamide Impurities from Combination Drug Product	http://sedici.unlp.edu.ar/handle/10915/8351
15	Dr. K. Karunakaran Professor	Development of a new RP-UPLC method for the estimation of Rabeprazole sodium in pharmaceutical formulation and application in dissolution study	DOI: 10.4314/tjpr.v10i5.15
16	Dr. K. Karunakaran Professor	Facile synthesis and catalytic studies of CdS–manganese oxide nanocomposite	https://doi.org/10.1007/s13204-011-0027-y

S.No.	Name of the Faculty & Designation	Title of the Paper	DOI Link
17	Dr. K. Karunakaran Professor	Synthesis and catalytic studies of layered and OMS type nano manganese oxide material	https://www.chalcogen.ro/755_Kanna_n.pdf
18	Dr. K. Karunakaran Professor	Kinetics of oxidation of phenoxyacetic acids by pyridiniumhydrobromideperbromide.	https://www.ias.ac.in/article/fulltext/jcsc/104/05/0603-0610
19	Dr. K. Karunakaran Professor	Kinetics and mechanism of oxidation of (arylthio)acetic acids by pyridiniumhydrobromideperbromide.	https://doi.org/10.1002/poc.610080607
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31	B. Jeyagowri Associate Professor	Characterization And Potential Suitability Of Simarouba Glauca Seed Shell Lignocellulosic Biomass As Adsorbent Of Basic Dyes From Aqueous Solutions	10.35812/cellulosechemtechnol.2021.55.60
32	B. Jeyagowri Associate Professor	A cost effective green biosorbent Simarouba glauca seed shell for removal of rhodamine B from aqueous solutions.	10.14233/ajchem.2015.18764
33	B. Jeyagowri Associate Professor	Kinetic and adsorption isotherm modeling of photodegradation of anionic dyes using polyazomethine/titanium dioxide and polyazomethine/zinc oxide nanocomposite	10.5004/dwt.2022.28590
34	B. Jeyagowri Associate Professor	Physiochemical characteristics analysis of surface water and underground water during the summer season	https://doi.org/10.53730/ijhs.v6nS5.9492
35	B. Jeyagowri Associate Professor	A Study on Physicochemical analysis of Surface and Groundwater in Coimbatore region	10.24214/jecet.A.11.3.46376

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38	Dr. S. J. Pradeeba Associate Professor	A Comparative Study Of Photo-Catalytic Degradation Efficiency Of Methylene Blue Dye In Waste Water Using Poly(Azomethine)/ZnONanocomposite And Poly(Azomethine)/TiO2 Nanocomposite	https://chalcogen.ro/243_PradeebaSJ.pdf
39	Dr. S. J. Pradeeba Associate Professor	Synthesis and Characterization of Poly(azomethine)/ZnONanocomposite Toward Photocatalytic Degradation of Methylene Blue, Malachite Green, and Bismarck Brown	https://doi.org/10.1115/1.4042090
40	Dr. S. J. Pradeeba Associate Professor	Photo-catalytic degradations of methylene blue, malachite green and Bismarck brown using poly(azomethine)/TiO2 nanocomposite	https://doi.org/10.1007/s10586-018-2505-4
41	Dr. S. J. Pradeeba Associate Professor	Photocatalytic degradation efficiency of malachite green in aqueous medium using poly(azomethine)/ZnOnanocomposite	https://doi.org/10.1063/1.5122552
42	Dr. S. J. Pradeeba Associate Professor	Photodegradation efficiency of methyl orange and Alizarin Red S in waste water using poly(azomethine)/TiO2 nanocomposite	https://doi.org/10.1063/1.5130238
43	Dr. S. J. Pradeeba Associate Professor	Degradation of methyl orange and Alizarin Red S from waste water using poly(azomethine)/ZnOnanocomposite as a photocatalyst	https://doi.org/10.1063/5.0019748

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48	Dr. S. J. Pradeeba Associate Professor	Kinetic and adsorption isotherm modeling of photodegradation of anionic dyes using polyazomethine/titanium dioxide and polyazomethine/zinc oxide nanocomposite	doi: 10.5004/dwt.2022.28590
49	Dr. S. J. Pradeeba Associate Professor	A Study on Physicochemical analysis of Surface and Groundwater in Coimbatore region	10.24214/jecet.A.11.3.46376.
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58	Dr. L. Vidhya Associate Professor	Physiochemical characteristics analysis of surface water and underground water during the summer season	https://doi.org/10.53730/ijhs.v6nS5.9492
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60	Dr. L. Vidhya Associate Professor	Sequestering Divalent Nickel Ions from Aqueous Solution Using Activated Carbon of Citrus limetta Peel: Isothermic and Kinetic Studies	https://doi.org/10.15244/pjoes/69092
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67	Mr. P. Sathish Assistant Professor	Properties improvement on polyester fabric using polyvinyl alcohol	DOI 10.29121/ijetmr.v8.i8.2021.1013