



Sadakathullah Appa College

*An Autonomous Institution, Re-Accredited by NAAC at an 'A++' Grade with a CGPA of 3.56 *ISO 9001 : 2015 Certified*

Publications during the Academic Year 2021-2022

S. No.	Name of the Faculty and Department	Name of the Journal	Title of the Paper	Vol. No, Issue No, ISSN No, Month Year	Indexed in
1.	Dr. S.M. Abdul Kader, Principal,	Materials Today: Proceedings	Synthesis of Bismuth Oxide Nanoflowers Using Natural Honey	Volume 45, part 4, pages 3908-3910 2021,	Scopus
2.	Dr. S.M. Abdul Kader, Principal,	Coatings	Photocatalytic and Biological Activity of ZnO Nanoparticles Using Honey	11(9), 1046 2021,	WOS
3.	Dr. S.M. Abdul Kader, Principal.	Water	Visible Light Photocatalyst and Antibacterial Activity of BFO (Bismuth Ferrite) Nanoparticles From Honey	Vol.14 Issue:10 art no: 1545 May 2022	Scopus
4.	Dr. S.M. Abdul Kader, Principal,	Journal of Materials Science: Materials In Electronics	Growth, Structural, Optical, Thermal, Mechanical and Electrical Properties of Potassium Chromium Sulphate Single Crystals	Vol:33 Issue:07 January 2022	Scopus
5.	Dr. S.M. Abdul Kader, Principal.	Physics and Chemistry of Solid State	Investigation on the Solubility, Growth, Vibrational Characteristics And Linear Optical Constants of Potassium Bisulphate Single Crystals	Vol.23 Issue:2 page no:210-215 April 2022	Scopus
6.	Dr. S.M. Abdul Kader, Principal.	East European Journal of Physics	Photoluminescence, Impedance, Thermal Characteristics and Hirshfeld Surface Analysis of Potassium Bisulphate Single Crystals For Third Order Nlo Applications	Issue:4 page no:145-151 2021	Scopus
7.	S. Khaleel Ahamed, Department of English.	Journal of Language and Linguistic Studies	Using Bilingual Method in Esl Classrooms: Advantages and Challenges	17(3), 2182-2185; 2021	Scopus
8.	Dr. S. Syed Ali Fathima, Department of Mathematics.	Journal of Xidian University	A New Approach on Finding the Edge Pebbling Number of Edge Demonic Graphs	Vol16, ISSUE 3, 178-180, March, 2022	Scopus

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9.	Dr. S. Syed Ali Fathima & U.Jerseena, Department of Mathematics.	Journal of Design Engineering	Some Weak Form of Topological Simple Ring,	No. 8, PP: 11776 – 11787, October 2021	Scopus
10.	Dr. S. Syed Ali Fathima & U.Jerseena, Department of Mathematics.	International Journal of Mechanical Engineering	Filter in Topological Simple Ring,	Vol. 6 , No. 3, PP.3311-3314, December 2021	Scopus
11.	Dr. S. Firthous Fathima, Department of Mathematics.	Design Engineering (Toronto)	On Ideal N-Topological Ordered Spaces	Issue No: 9, pg. No: 5123-5133, December 2021	Scopus
12.	Dr. M.Himaya Jaleela Begum, Department of Mathematics.	Journal of Design Engineering (Toronto)	Generalized Cubic Ideals of Near Rings	Issue 9, Pages: 14494-14507, ISSN: 0011-9342, Oct 2021	Scopus
13.	Dr. M.Himaya Jaleela Begum, Department of Mathematics.	Journal of Design Engineering (Toronto)	Bipolar Fuzzy Bi-ideals of Near-rings	Issue 9, Pages: 15728-15733, ISSN: 0011-9342Dec2021	Scopus
14.	Dr. N.M. Rilwan, Department of Mathematics.	Indian Journal of Pure and Applied Mathematics	Book Thickness of the Non-Zero Component Union Graph of the Finite Dimensional Vector Space	April 2022	Scopus
15.	Dr. A. Syed Mohamed (Dept of Chemistry) & A.Zeenath Bazeera, (Department of Physics)	Journal of Ovonic Research	Growth and Characterization of D1-Norleucine Maleate Crystals	Vol. 18, No. 2, p. 195 – 204 March 2022,	SCI

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16.	Dr. M. Sheik Muhideen Badhusha, Department of Chemistry.	Journal of the Indian Chemical Society	Green Synthesis and Characterization of Fe Doped ZnO Nanoparticles and Their Interaction With Bovine Serum Albumin	Volume 98, Issue 11, 100197 November 2021,	Scopus
17.	Dr. M. Sheik Muhideen Badhusha, Department of Chemistry.	The International Journal of Health Sciences (IJHS)	Anti Tumour Efficacy of Curcumin/Chitosancoated Iron Oxide Nanoparticles in Human Lung Cell Line (L132) in an in Vitro Study	6(s1), 13429–13438. April, 2022	Scopus
18.	Dr. M. Sheik Muhideen Badhusha, Department of Chemistry.	J. Water Environ. Nanotechnol.,	Synthesis of Co and Cu Codoped ZnO Nanoparticles By Citrate Gel Combustion Method: Photocatalytic and Antimicrobial Activity	7(2): 143-154 spring May 2022	Scopus
19.	Dr. I. Antony Danish, Department of Chemistry.	Computational and Theoretical Chemistry	Dft, Nbo, Homo-Lumo, Nci, Stability, Fukui Function And Hole-Electron Analyses of Tolcapone	Volume 1202, 113296 August 2021,	WOS
20.	Dr. I. Antony Danish, Department of Chemistry.	Heliyon	Spectral, Nbo, Nlo, Nci, Aromaticity And Charge Transfer Analyses of Anthracene-9,10-Dicarboxaldehyde by Dft	Vol.7 Issue:11 page no:e0837 November 2021	Scopus
21.	Dr. R. Imran Khan, Department of Chemistry.	Molecular Catalysis	Quinolinium Modified β -Cyclodextrin: An Ionic Ligand Towards Sustainable A3-Coupling And Tandem Cyclisation Reactions of Aldehydes, Amines and Alkynes	Vol:519 art no: 112151 January 2022	Scopus
22.	Dr.M.Sithi Jameela, Department of Zoology.	Experimental Parasitology	Larvicidal and Ovicidal Activities of Phenyl Acetic Acid Isolated From <i>Streptomyces Collinus</i> Against <i>Culex quinquefasciatus</i> Say	Volumes 226-227, August 2021,	Scopus

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			And <i>Aedes Aegypti</i> L. (Diptera: Culicidae)		
23.	Dr. M.I Zahir Hussain, Department of Zoology.	ENTOMON	Ovicidal and larval repellent efficacy of <i>Tagetes erecta</i> Linn. on <i>Rhipicephalus sanguineus</i> (Latreille, 1806) (Acari: Ixodidae)	46(4): 305-312 (2021)	Scopus
24.	Dr. M.I Zahir Hussain, Department of Zoology.	International Journal of Mosquito Research	A review on plant phytochemicals potential for mosquito control	9(6): 47-54 May-2022;	Scopus
25.	Dr.S.Nazarath Begam, Department of Physics.	Annals of R.S.C.B	Study on Second And Third Order Nonlinear Optical Properties of Triglycine Sulpho Succinate Single Crystals	Vol. 25, Issue 5, pages 1549 – 1561 2021, ISSN:1583-6258,	Scopus
26.	Mrs. A.Ferin Fathima, Department of Physics.	Materials Today: Proceedings	Enhancing Structural And Optical Properties of ZnO Nanoparticles Induced By The Double Codoping of Iron and Cobalt	Volume 49, part 7, pages 2598-2601 July 2021	Scopus
27.	Dr. V. Chinnathambi Department of Physics	Journal of Nonlinear Studies	Analysis of Homoclinic bifurcation in a Nonlinearly damped DVP oscillator under the excitation of two forcing terms	Vol.28(4), pp.11-23, 2021.	Scopus
28.	Dr. V. Chinnathambi, Department of Physics.	Nonlinear Dynamics and Systems Theory	Dynamics of Nonlinearly Damped Duffing-vander Pol Oscillator Driven by Frequency Modulated Signal	Vol.21(5) pp.1-10, (2021)	Scopus
29.	Dr. V. Chinnathambi, ,	Communications on Applied Nonlinear Analysis	Nonlinear Dynamics in Three Particular Two Dimensional Maps Under an Additive Constant Perturbation	Vol. 28(3), pp.83-98, 2021,	Scopus

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	Department of Physics.				
30.	Dr. V. Chinnathambi Department of Physics	<i>CONTRIBUTIONS TO PLASMA PHYSICS</i>	Enhanced vibrational resonance by an amplitude modulated signal in a nonlinear dissipative two-fluid plasma model	March 2022	WOS
31.	Dr. V. Chinnathambi Department of Physics.	Journal of Nonlinear Analysis and Optimization	Homoclinic Transition to Chaos in the Duffing Oscillator Driven by Periodic Piecewise Linear Forces	Volume 13(1) April-2022	Scopus
32.	Dr. D. Sathya, Department of Physics.	GIS SCIENCE JOURNAL	NiS Thin Films for solar cell Applications by Successive Ionic layer Adsorption and Reaction method	• VOLU ME 9, ISSUE 2, February- 2022	Scopus
33.	Dr. Saintha T. Jostar, Department of Physics.	Physica E: Low-dimensional Systems and Nanostructures	Enhancement of opto-electrical properties in Co doped CdS-TiO ₂ nanocomposite thin film as photoanode for Semiconductor Sensitized Solar Cells (SSSCs)	142, 115287, April 2022	Scopus
34.	Dr. Saintha T. Jostar, Department of Physics.	International Journal of Nanoscience and Nanotechnology	Role of Green Synthesized CuO Nanoparticles Of Trigonella Foenum-Graecum L. Leaves and their Impact on Structural, Optical And Antimicrobial Activity	Vol.17 Issue:2 page no:109-121 2021	Scopus
35.	Dr. K.Ahamed Anis Fathima, Department of Commerce Finance.	Design Engineering	Comprehensive Review of Functions of Blockchain And Crypto Currency In Finance And Banking	Issue: 9 pages: 3649-3655 2021	Scopus
36.	Dr. K.Sheik Mydeen, Department of Commerce Finance,	Design Engineering	A Study on Buyer Preferences Towards Various Petroleum Retail Outlets In Tirunelveli City	ISSN: 0011-9342 year 2021 issue: 8 pages: 9730-9735	Scopus

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37.	Dr. S. Angelin Kavitha Raj, Department of Mathematics.	International Journal of Scientific Research & Engineering Trends	Supra Semi Totally Continuous Function in Supra Topological Space	Volume 7, Issue 2, March-April-2021, ISSN (online)	Scopus
38.	Dr. S. Piramu Kailasam, Department of Computer Science.	Turkish Journal of Computer and Mathematics	A Study of Hybrid Features and YOLO model in COVID'19	Vol. 13. No. 03 (2022) 512-519	Scopus
39.	Dr. R. Kumuthini, Department of Physics (SF) & Dr. S. Piramu Kailasam, Department of Computer Science.	Journal of Xi an Shiyon University, Natural Science Edition	Green Synthesis and Characterization of Nickel Oxide Nanoparticles	Vol. 18 Issue 6. 2022 522-531	Scopus
40.	Dr. M. Mohamed Sathik, Principal Department of Computer Science.	Lecture Notes in Electrical Engineering	Automated Diagnosis of COVID-19 Using Squeeze Net Architecture Based on Deep Learning	841, 2022	Scopus
41.	Dr. S.Shajun Nisha, Department of Computer Science.	International Journal of Computer Networks and Applications	BTDEC: Blockchain-Based Triple Data Elliptic Curve Cryptosystem with Fine-Grained Access Control for Personal Data	9, 2 2022	Scopus
42.	Dr. Shakul Hameed, Department of Business Administration.	AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY	Women's entrepreneurship is one of the most evocative terms used in this century. Women have achieved sustained progress in all domains. Nourishing a	81, 1 Jan 2022	Scopus

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43.	Dr. Shakul Hameed, Department of Business Administration.	Emerald	Analyzing organizational barriers towards building postpandemic supply chain resilience in Indian MSMEs: a grey-DEMATEL approach	DOI 10.1108/BIJ-11-2021-0677 May 2022	Scopus
44.	Dr. R. Jothi Mani, Department of Physics.	Digest Journal of Nanomaterials and Biostructures	Green synthesis of CuO nanoparticle using justiciaadhatoda leaf extract and its antibacterial and thermal asset	Vol.16, 3 2021	Scopus
45.	Dr. R. Jothi Mani, Department of Physics.	Rasayan Journal of Chemistry	Morindacitrifolia leaf extract mediated green synthesis of copper oxide nanoparticles and its potential and antibacterial studies	Vol. 14, 2 2021	Scopus
46.	Dr. R. Jothi Mani, Department of Physics.	Journal of Nano- and Electronic Physics	Green Synthesis of Copper Oxide Nanoparticles from Catharanthus Roseus Plant Leaf Extract and Its Investigation	Vol.13, 1 2021	Scopus