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3.4.3

**Number of research papers per teacher in the
Journals notified on UGC website during the last five
years**



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S. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	
							Link to website of the Journal	Link to article/paper/abstract of the article
1.	Enhancement of Adsorption of Magenta Dye by Immobilized Laccase on Functionalized Biosynthesized Activated Carbon Nanotubes	Periyasamy Thiyagarajan, Kandasamy Selvam, Chinnappan Sudhakar, Thangaswamy Selvankumar	Biotechnology	Water Air Soil Pollution	2020-2021	0049-6979	https://www.springer.com/journal/11270	https://link.springer.com/article/10.1007/s11270-020-04737-1
2.	Chlorpyrifos degradation efficiency of <i>Bacillus</i> sp. laccase immobilized on iron magnetic nanoparticles	P.Srinivasan, T.Selvankumar, K.Selvam	Biotechnology	3 Biotech	2020-2021	2190-5738	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-020-02363-6
3.	Green biomimetic silver nanoparticles utilizing the red alga <i>Amphiroa</i>	Mani Gopu, Thangasamy Selvankumar, Chinnappan Sudhakar,	Biotechnology	Bioprocess and Biosystems Engineering	2020-2021	1615-7605	https://www.springer.com/journal/449	https://link.springer.com/article/10.1007/s00449-020-02426-1



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	<i>rigida</i> and its potent antibacterial, cytotoxicity and larvicidal efficiency	Kandasamy Selvam						
4.	Synthesis and development of novel sensitizer from spirulina pigment with silver doped TiO ₂ nano particles for bio-sensitized solar cells	T.Selvankumar, C.Sudhakar, V. Hariharan	Biotechnology	Biomass and Bioenergy	2020-2021	0961-9534	https://www.sciencedirect.com/journal/biomass-and-bioenergy	https://www.sciencedirect.com/science/article/abs/pii/S0961953420302671
5.	Optimization of low-cost biosurfactant produced by <i>Bacillus subtilis</i> SASCBT01 and their environmental remediation potential	K.Selvam, T.Selvankumar	Biotechnology	Letters in Applied Microbiology	2020-2021	1472-765X	https://sfamjournals.onlinelibrary.wiley.com/journal/1472765x	https://sfamjournals.onlinelibrary.wiley.com/doi/abs/10.1111/lam.13394
6.	Virtual screening of COVID-19 drug from three Indian traditional medicinal plants	Thangaswamy Selvankumar	Biotechnology	Research Journal of Biotechnology	2020-2021	2278-4535	https://worldresearchersassociations.com/biotech.aspx	https://pesquisa.bvsalud.org/global-literature-on-novel-coronavirus-



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	through in silico approach							2019-ncov/resource/en/covidwho-882033
7.	Potential COVID-19 Drug from Natural Phenolic Compounds through In Silico Virtual Screening Approach	Selvankumar Thangaswamy, Yuvarajan Ragunathan, Srinivasan Palanisamy	Biotechnology	Biointerface Research in Applied Chemistry	2020-2021	2069-5837	https://biointerfaceresearch.com/	https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/resource/en/covidwho-946603
8.	Influence of biochar and EDTA on enhanced phytoremediation of lead contaminated soil by <i>Brassica juncea</i>	R.Rathika, P.Srinivasan, T.Selvankumar	Biotechnology	Chemosphere	2020-2021	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653520337115
9.	In-silico molecular docking analysis of some plant derived molecules for anti-inflammatory inhibitory activity	T.Selvankumar	Biotechnology	Current Botany	2020-2021	2220-4822	https://updatepublishing.com/journal/index.php/cb	https://updatepublishing.com/journal/index.php/cb/article/view/6583



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10.	Molecular insights of hyaluronic acid-hydroxychloroquine conjugate as a promising drug in targeting SARS-CoV-2 viral proteins	T.Selvankumar	Biotechnology	Journal of Molecular Structure	2020-2021	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286021005901
11.	Microwave-assisted green synthesis of fluorescent carbon quantum dots from Mexican Mint extract for Fe ³⁺ detection and bio-imaging applications	Thangaswamy Selvankumar	Biotechnology	Environmental Research	2020-2021	0013-9351	https://www.sciencedirect.com/journal/environmental-research	https://www.sciencedirect.com/science/article/abs/pii/S0013935121005570
12.	Metabolic annotation, interactions and characterization of natural products of mango (<i>Mangifera indica</i> L.): ¹ H NMR based chemical metabolomics profiling	Thangaswamy Selvankumar	Biotechnology	Process Biochemistry	2020-2021	1359-5113	https://www.sciencedirect.com/journal/process-biochemistry	https://www.sciencedirect.com/science/article/abs/pii/S1359511321001756



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13.	Influence of freeze-drying and fresh cooking on starch morphology and physicochemical and thermal properties of various tropical tubers	B.Jayanthi, S.Arjunan, T.Selvankumar	Biotechnology	International Journal of Biological Macromolecules	2020-2021	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813021011119
14.	Enhanced Electrochemical Performance of Mn ₃ O ₄ /Multiwalled Carbon Nanotube Nanocomposite for Supercapacitor Applications	V. Hariharan	Physics	Journal of Electronic materials	2020-2021	0361-5235	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-09177-z
15.	Identifying the Suitability of Environmental Friendly Fe ₂ O ₃ Nanomaterials for Supercapacitor Applications	V. Hariharan	Physics	Elixir-Nanotechnology	2020-2021	2229-712X	https://www.elixirpublishers.com/index.php?route=articles/category&path=305_395	https://www.elixirpublishers.com/index.php?route=articles/category&path=352_395
16.	Isolation and Characterization of Conotoxin Protein from Conus inscriptus and Its	Anjali Kumari, T. Selvankumar	Biotechnology	International Journal of Peptide Research and Therapeutics	2019-2020	1573-3149	https://www.springer.com/journal/10989	https://link.springer.com/article/10.1007/s10989-019-09907-2



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	Potential Anticancer Activity Against Cervical Cancer (HeLa-HPV 16 Associated) Cell Lines							
17.	Production and purification of laccase by <i>Bacillus</i> sp. using millet husks and its pesticide degradation application	P. Srinivasan, T. Selvankumar, S. Kamala-Kannan, R. Mythili, M. Govarthanan, B. Senthilkumar, K. Selvam.	Biotechnology	3 Biotech	2019-2020	2190 572X	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-019-1900-8
18.	Eco-friendly cost-effective approach for synthesis of copper oxide nanoparticles for enhanced photocatalytic performance	Kayalvizhi, S., Sengottaiyan, A., Selvankumar, T., Sudhakar, C., Selvam, K.	Biotechnology	Optik	2019-2020	0030-4026	https://www.sciencedirect.com/journal/optik	https://www.sciencedirect.com/science/article/pii/S0030402619314056
19.	Assessment of Antioxidant, Antibacterial Activities and Bioactive Compounds of the Wild Edible	Selvam K, Sudhakar C, Selvankumar T	Biotechnology	International Journal of Peptide Research and Therapeutics	2019-2020	1573-3904	https://www.springer.com/journal/10989	https://link.springer.com/article/10.1007/s10989-019-09969-2



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	Mushroom <i>Pleurotus sajor-caju</i>							
20.	Effect of citric acid and vermi-wash on growth and metal accumulation of <i>Sorghum bicolor</i> cultivated in lead and nickel contaminated soil	R Rathika, P Srinivasan, T Selvankumar	Biotechnology	Chemosphere	2019-2020	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653519325676
21.	Significance of allochthonous brackish water <i>Halomonas</i> sp. on biodegradation of low and high molecular weight polycyclic aromatic hydrocarbons	P Srinivasan, T Selvankumar, K Selvam	Biotechnology	Chemosphere	2019-2020	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653519326293
22.	Synthesis, Spectroscopic Characterization and Molecular Docking Study of Ethyl 2-(4-(5, 9-dihydro-6-hydroxy-2-	Chinnappan Sudhakar, Thangaswamy Selvankumar	Biotechnology	Chemical Physics	2019-2020	0301-0104	https://www.sciencedirect.com/journal/chemical-physics	https://www.sciencedirect.com/science/article/abs/pii/S0301010418312977



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	mercaptopurine-8-ylthio) thiophen-2-yl)-2-oxoacetate Molecule for the Chemotherapeutic Treatment of Breast Cancer Cells							
23.	In-Vitro and In-Silico Anti-inflammatory Activity of Lupeol Isolated from <i>Crateva adansonii</i> and Its Hidden Molecular Mechanism	R. Thirumalaisamy, T. Selvankumar	Biotechnology	International Journal of Peptide Research and Therapeutics	2019-2020	1573-3904	https://www.springer.com/journal/10989	https://link.springer.com/article/10.1007/s10989-019-10006-5#citeas
24.	Biodegradation of Acid Yellow Using Laccase Produced by <i>Bacillus</i> sp. Strain TR and its In-Silico Modeling of the Dye Degradation System	P. Thiyagarajan, A. Sengottaiyan, K. Selvam, C. Sudhakar, T. Selvankumar	Biotechnology	International Journal of Peptide Research and Therapeutics	2019-2020	1573-3904	https://www.springer.com/journal/10989	https://link.springer.com/article/10.1007/s10989-019-10005-6



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25.	Rapid biodegradation of chlorpyrifos by plant growth-promoting psychrophilic <i>Shewanella</i> sp. BT05: An eco-friendly approach to clean up pesticide-contaminated environment	T Selvankumar	Biotechnology	Chemosphere	2019-2020	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653520301405
26.	Biomimetic synthesis of copper nanoparticles using rhizome extract of <i>Corallocarbus epigaeus</i> and their bactericidal with photocatalytic activity	K. Selvam, C. Sudhakar, T. Selvankumar, N. Kannan	Biotechnology	SN Applied Sciences	2019-2020	2523-3963	https://www.springer.com/journal/42452	https://link.springer.com/article/10.1007/s42452-020-2811-3
27.	Utilization of funnel-shaped ivory flowers of <i>Candelabra cactus</i> for zinc oxide nanoparticles synthesis and their	P Srinivasan, T Selvankumar,	Biotechnology	Materials Letters	2019-2020	0167-577X	https://www.sciencedirect.com/journal/materials-letters	https://www.sciencedirect.com/science/article/abs/pii/S0167577X18307146



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	in-vitro anti-cancer and antibacterial activity							
28.	Customers cognizance factors influencing purchasing decision of designated Dairy products.	B.Jayalakshmi	Business Administration	International journal of Mechanical and production Engineering Research and Development.	2019-2020	2249-6890	http://www.tjprc.org	http://www.tjprc.org/view_paper.php?id=13117
29.	A Study on Issues of Migrant Women Workers in India	J.Josephine Daisy	Commerce CA	Journal of XI' an university of Architecture & Technology	2019-2020	1006-7930	https://www.xajzkjdx.cn/	https://www.xajzkjdx.cn/gallery/37-april2020.pdf
30.	A Study on Consumer Satisfaction towards Online shopping with special reference to Namakkal District	J.Josephine Daisy	Commerce CA	Solid State Technology	2019-2020	0038-111X	https://solidstatechnology.us/index.php/JSS T	https://solidstatechnology.us/index.php/JSST/article/view/4382
31.	A Study on Consumer satisfaction towards Online shopping in Namakkal District	J.Josephine Daisy	Commerce CA	International journal of Disaster recovery and Business continuity	2019-2020	2005-4289	http://sersec.org/journals/index.php/IJDRBC/index	http://sersec.org/journals/index.php/IJDRBC/article/view/29729



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32.	A fuzzy statistical quality control charts using transition probability matrix of Markov processed	V.Shanmuga sundram	Statistics	Journal of Advanced research in Dynamic and Control Systems	2019-2020	1943-023X	https://www.jardcs.org/abstract.php?id=1824	https://www.jardcs.org/index.php
33.	Biogreen remediation of chromium-contaminated soil using Pseudomonas sp. (RPT) and neem (<i>Azadirachta indica</i>) oil cake	M. Govarthanan, T. Selvankumar, R. Mythili, P. Srinivasan	Biotechnology	International Journal of Environmental Science and Technology	2018-2019	1735-2630	https://www.springer.com/journal/13762	https://link.springer.com/article/10.1007/s13762-018-2136-6
34.	Effect of blue light on growth and exopolysaccharides production in phototrophic <i>Rhodobacter</i> sp. BT18 isolated from brackish water	T. Selvankumar, R. Mythili, P. Srinivasan	Biotechnology	International Journal of Biological Macromolecules	2018-2019	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S014181301930412X
35.	Phytosynthesis of silver nanoparticles using	P. Srinivasan, T. Selvankumar	Biotechnology	Bioorganic Chemistry	2018-2019	0045-2068	https://www.sciencedirect.com/journal/bio	https://www.sciencedirect.com/science/article/abs/



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	<i>Mangifera indica</i> flower extract as bioreductant and their broad-spectrum antibacterial activity.						rganic-chemistry	pii/S0045206819303918
36.	In-vitro bio-mineralization of arsenic and lead from aqueous solution and soil by wood rot fungus, <i>Trichoderma</i> sp.	R. Mythili, T. Selvankumar, P. Srinivasan,	Biotechnology	Ecotoxicology and Environmental Safety	2018-2019	0147-6513	https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety	https://www.sciencedirect.com/science/article/abs/pii/S0147651319302957
37.	Manipulating the Magnetization focal patterns using Complex Phase Filters	K. Prabakaran	Physics	Optica Applicata	2018-2019	0078-5466	https://opticaapplicata.pwr.edu.pl/	https://opticaapplicata.pwr.edu.pl/files/pdf/2019/no4/optappl_4904p613.pdf
38.	Green synthesized silver nanoparticles from <i>Garcinia imberti</i> bourn and their impact on root canal pathogens and HepG2 cell lines	Selvankumar T., Sudhakar C	Biotechnology	RSC Advances	2017-2018	2046-2069	https://pubs.rsc.org/en/journals/journalissues/ra#!issueid=ra011062&type=current&issnonline=2046-2069	https://pubs.rsc.org/en/content/articlehtml/2017/ra/c6ra28328d



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39.	Process optimization of biogas energy production from cow dung with alkali pre-treated coffee pulp	T. Selvankumar, C. Sudhakar, K. Selvam, M. Govarthan	Biotechnology	3 Biotech	2017-2018	2190 572X	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-017-0884-5
40.	Biosynthesis of silver nanoparticles from Spirulina microalgae and its antibacterial activity	Govarthan M, Selvankumar T, Mythili R, Sudhakar C, Selvam K.	Biotechnology	Environmental Science and Pollution Research	2017-2018	1614-7499	https://www.springer.com/journal/11356	https://link.springer.com/article/10.1007/s11356-017-9772-0
41.	Isolation identification and characterization of arsenic transforming exogenous endophytic <i>Citrobacter</i> sp. RPT from roots of Pteris vittata.	T. Selvankumar, R. Radhika R. Mythili, P. Srinivasan, M. Govarthan,	Biotechnology	3 Biotech	2017-2018	2190 572X	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-017-0901-8
42.	Cellulase enzyme: Homology modeling, binding site identification and molecular docking	K. Selvam, T. Selvankumar, C. Sudhakar, M. Govarthan	Biotechnology	Journal of Molecular Structure	2017-2018	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286017311353



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43.	Molecular modeling and docking of protease from <i>Bacillus</i> sp. for the keratin degradation	K Selvam, C Sudhakar, T Selvankumar, A. Sengottaiyan, P. Srinivasan	Biotechnology	Biocatalysis and Agricultural Biotechnology	2017-2018	1878 8181	https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology	https://www.sciencedirect.com/science/article/abs/pii/S1878818117304498
44.	Biomimetic synthesis of silver nanoparticles using flower extract of <i>Bauhinia purpurea</i> and its antibacterial activity	Sudhakar C, Selvam K Sengottaiyan A, Selvankumar T, Govarthanan M	Biotechnology	Environmental Science and Pollution Research	2017-2018	1614-7499	https://www.springer.com/journal/11356	https://link.springer.com/article/10.1007/s11356-017-0841-1
45.	Myco-phytoremediation of arsenic- and lead-contaminated soils by <i>Helianthus annuus</i> and wood rot fungi, <i>Trichoderma</i> sp. isolated from decayed wood	Govarthanan M., Mythili R., Selvankumar T.	Biotechnology	Ecotoxicology and Environmental Safety	2017-2018	0147-6513	https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety	https://www.sciencedirect.com/science/article/abs/pii/S0147651318300277
46.	Biogenic synthesis, characterization	Mythili, R., Selvankumar, T.,	Biotechnology	Journal of Molecular Liquids	2017-2018	0167-7322	https://www.sciencedirect.com/journal/jour	https://www.sciencedirect.com/science/article/abs/



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	and antibacterial activity of gold nanoparticles synthesised from vegetable waste	Srinivasan, P., Sengottaiyan, A.					nal-of-molecular-liquids	pii/S0167732218309991
47.	Utilization of market vegetable waste for silver nanoparticle synthesis and its antibacterial activity	Mythili, R., Selvankumar, T., Sudhakar, C., K.Selvam, M.Govarthanan	Biotechnology	Materials Letters	2017-2018	0167-577X	https://www.sciencedirect.com/journal/materials-letters	https://www.sciencedirect.com/science/article/abs/pii/S0167577X18307146
48.	Ternary Copper (II) complex based chemical probes for DNA targeting: Cytotoxic activity under visible light	S. Mathankumar	Chemistry	Applied Organometallic Chemistry	2017-2018	1099-0739	https://onlinelibrary.wiley.com/journal/10990739	https://onlinelibrary.wiley.com/doi/abs/10.1002/aoc.4762
49.	Role of chromium in tungsten oxide (WO ₃) by microwave irradiation technique for sensor applications	K. Prabakaran	Physics	Indian Journal of Physics	2017-2018	0973-1458	https://www.springer.com/journal/12648	https://link.springer.com/article/10.1007/s12648-018-1310-5
50.	Generating Sub wavelength pure longitudinal magnetization probe and chain	K. Prabakaran	Physics	Optics Communication	2017-2018	0306-8919	https://www.springer.com/journal/11082	https://www.sciencedirect.com/science/article/abs/pii/S003040181730768X



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	using complex phase plate							
51.	Generation of Ultra-Long Pure Magnetization Needle and Multiple Spots by Phase Modulated Doughnut Gaussian Beam	K. Prabakaran	Physics	Optics and Laser Technology	2017-2018	0030-3992	https://www.journals.elsevier.com/optics-and-laser-technology	https://ui.adsabs.harvard.edu/abs/2018OptLT.102..40U/abstract
52.	Tight focusing properties of spirally polarized LG _(1,1) * beam with High NA Parabolic mirror	K. Prabakaran	Physics	Optical and Quantum Electronics	2017-2018	0306-8919	https://www.springer.com/journal/11082	https://link.springer.com/article/10.1007/s11082-018-1320-8
53.	Eco-friendly biosynthesis and characterization of silver nanoparticles using <i>Tinospora cordifolia</i> (Thunb.) Miers and evaluate its antibacterial, antioxidant potential	Chinnappan Sudhakar, Muthusamy Govarthan, Periasamy Thiyagarajan, Arumugam Sengottaiyan, Thangasamy Selvankumar	Biotechnology	Journal of Radiation Research and Applied Sciences	2016-2017	1687-8507	https://www.sciencedirect.com/journal/journal-of-radiation-research-and-applied-sciences	https://www.sciencedirect.com/science/article/pii/S1687850716000145



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54.	Enhanced production of amylase from <i>Bacillus</i> sp. Using groundnut shell and cassava waste as a substrate under process optimization: Waste to wealth approach.	T Selvankumar, Radhika R, P Srinivasan, C Sudhakar, M Govarthan	Biotechnology	Biocatalysis and Agricultural Biotechnology	2016-2017	1878-8181	https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology	https://www.sciencedirect.com/science/article/abs/pii/S1878818116300858
55.	Optimization of protease production from surface-modified coffee pulp waste and corncobs using <i>Bacillus</i> sp. by SSF.	Selvankumar T, Sudhakar C	Biotechnology	3Biotech	2016-2017	2190 572X	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-016-0481-z
56.	Bioremediation of heavy metals using an endophytic bacterium <i>Paenibacillus</i> sp. RM isolated from the roots of <i>Tridax procumbens</i>	Mythili. R, Selvankumar T	Biotechnology	3 Biotech	2016-2017	2190 572X	https://www.springer.com/journal/13205	https://link.springer.com/article/10.1007/s13205-016-0560-1



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57.	Activity and stability of bacterial cellulase immobilized on magnetic nanoparticles.	M Govarthanan, T Selvankumar	Biotechnology	Chinese Journal of Catalysis	2016-2017	1872-2067	https://www.sciencedirect.com/journal/chinese-journal-of-catalysis	https://www.sciencedirect.com/science/article/abs/pii/S1872206716624877
58.	Isolation and Characterization of a Biosurfactant-producing Heavy Metal Resistant <i>Rahnella</i> sp. RM Isolated from Chromium-contaminated Soil	Mythili, R., Selvankumar, T	Biotechnology	Biotechnology and Bioprocess Engineering,	2016-2017	1976-3816	https://www.springer.com/journal/12257	https://link.springer.com/article/10.1007%2Fs12257-016-0652-0
59.	Tight focusing properties of phase modulated transversely polarized sinh Gaussian beam	K. Prabakaran	Physics	Optical and Quantum Electronics	2016-2017	0306-8919	https://www.springer.com/journal/11082	https://www.springerprofessional.de/en/tight-focusing-properties-of-phase-modulated-transversely-polarized-sinh-gaussian-beam/11942726
60.	Effect of annular obstruction on tight focusing properties of azimuthally polarized sinh Gaussian beam	K. Prabakaran	Physics	Global Journal of Pure and Applied Mathematics	2016-2017	0973-1768	https://www.ripublication.com/gjpam.htm	https://www.ripublication.com/Volumegjpamv13n5spl.htm



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61.	Tight Focusing Properties of Phase Modulated Azimuthally Polarized Laguerre–Bessel–Gaussian Beam	K. Prabakaran	Physics	Global Journal of Pure and Applied Mathematics	2016-2017	0973-1768	https://www.ripublication.com/gjpam.htm	https://www.ripublication.com/Volumegjpamv13n5spl.htm
62.	Tight Focusing Properties of Phase modulated Radially Polarized Laguerre Bessel Gaussian Beam	K. Prabakaran	Physics	Chinese Physics Letters	2016-2017	0256-307X	https://iopscience.iop.org/journal/0256-307X	https://iopscience.iop.org/article/10.1088/0256-307X/34/5/054203
63.	One-step microwave synthesis of pure and Mn doped WO ₃ nanoparticles and its structural, optical and electrochemical properties	V. Hariharan	Physics	Journal of Materials Science: Materials in Electronics	2016-2017	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-017-6354-3
64.	Tight focusing properties of cylindrically polarized annular multi-Gaussian beam	K. Prabakaran	Physics	Optik	2016-2017	0030-4026	https://www.journals.elsevier.com/optik	https://www.sciencedirect.com/science/article/abs/pii/S0030402616304661



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65.	Creation of Super Long Transversely Polarized Optical Needle Using Azimuthally Polarized Multi Gaussian Beam	K. Prabakaran	Physics	Chinese Physics Letters	2016-2017	0256-307X	https://iopscience.iop.org/journal/0256-307X	https://iopscience.iop.org/article/10.1088/0256-307X/33/6/064203
66.	Creation of Multiple Subwavelength Focal Spot Segments Using Phase Modulated Radially Polarized Multi Gaussian Beam	K. Prabakaran	Physics	Chinese Physics Letters	2016-2017	0256-307X	https://iopscience.iop.org/journal/0256-307X	http://cpl.iphy.ac.cn/Y2016/V33/I09/94203
67.	Tight focusing properties of phase modulated azimuthally polarized doughnut Gaussian beam	K. Prabakaran	Physics	Optical and Quantum Electronics	2016-2017	0306-8919	https://www.springer.com/journal/11082	https://www.informaworld.com/doi/10.1007-S11082-016-0765-X
68.	Magnetic and electrochemical behaviour of cobalt doped tungsten oxide (WO ₃) nanomaterials by	V. Hariharan	Physics	Journal of Alloys and Compounds	2016-2017	0925-8388	https://www.journals.elsevier.com/journal-of-alloys-and-compounds	https://www.sciencedirect.com/science/article/abs/pii/S0925838816321703



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	microwave irradiation method							
69.	Dissipativity and passivity analysis of Markovian jump impulsive neural networks with time delays	P.Gopalakrishnan	Mathematics	International Journal Of Computer Mathematics	2016-17	0020-7160	https://www.tandfonline.com/toc/gcom20/current	https://www.tandfonline.com/doi/full/10.1080/00207160.2016.1190013