

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

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
<p>Curcumin induces caspase mediated apoptosis in JURKAT cells by disrupting the redox balance Acetylation of 1,2,5,8-tetrahydroxy-9,10- anthraquinone improves binding to DNA and showed enhanced superoxide formation that explains better cytotoxicity on Jurkat T lymphocyte cells. Diterpenoids: Potential Chemopreventive and Chemotherapeutic agents in Leukemia. Role of different aberrant cell signalling pathways prevalent in Acute Lymphoblastic leukemia</p>	Priya K Gopal. Mausumi Paul and Santanu Paul	Botany	Asian Pacific Journal of Cancer Prevention	2014	Print 513-7368 Online ISSN 2476-762X	https://ugccare.unipune.ac.in/apps1/home/index
	Sayantani Mukherjee, Priya K Gopal. Santanu Paul and Saurabh Das.	Botany	Journal of Analytical Oncology	2014	1927-7229	
	SwadeshSarkar, Priya K Gopal and Santanu Paul.	Botany	Current Pharmaceutical Biotechnology.	2014	1873-4316 (Online) 1389-2010 (Print)	
	Priya K Gopal. Mausumi Paul and Santanu Paul	Botany	Biolojia Journal	2014	0006-3088 (Print) 1336-9563 (Online)	
<p>Enhancement of anti-leukemic potential of 2-hydroxyphenyl azo-2-napthanol (HPAN) on MOLT-4 cells through conjugation with Cu(II).</p>	Tathagata Deb. Priya K Gopal, DurbaGanguly, Piyal Das, ManjuBikashSaha, Santanu Paul and Saurabh Das	Botany	Royal Society of Chemistry Advances	2014	ISSN 2046-2069	
<p>Anti leukemic potential of different Fenugreek seed germplasms</p>	Priya K Gopal, Mausumi Paul and Santanu Paul	Botany	American JOURNAL OF SOCIAL ISSUES AND HUMANITIES	2014	2276 –6928	

Sulfonated polytriazoles from a new fluorinated diazide monomer and investigation of their proton exchange properties.	A. Singh, R. Mukherjee, S. Banerjee, H. Komber, B. Voit	Biochemistry	Journal of Membrane Science	2014, November	0376-7388
Highly proton conducting fluorinated sulfonated poly(arylene ether sulfone)s copolymers with side chain grafting.	R. Mukherjee, S. Banerjee, H. Komber, B. Voit	Biochemistry	RSC Advances	2014, August	2046-2069
Tea Tourism: A revival strategy in the Tea Gardens of Darjeeling and Dooars in West Bengal.	Gaurav Deep Rai, Samir Bal	Commerce	South Asian Journal of Socio-Political Studies	2015, January-June	0972-4613
Influence of gamma irradiation on the molecular weight distribution and related properties of a polymer: study through simulation and experiment.	M. Saha, M. Mukhopadhyay, R. Ray, T. K. Ballabh, S. Tarafdar	Physics	Modelling and Simulation in Materials Science and Engineering	2014, December	0965-0393, E-ISSN 1361-651X
Multifractal analysis of the pore space of real and simulated sedimentary rocks.	AbhraGiri, Sujata Tarafdar, Philippe Gouze, Tapati Dutta	Physics	Geophysical Journal International	2014, December	0956-540X, E-ISSN: 1365-246X
Cyanobacteria assisted biosynthesis of silver nanoparticles - a potential antileukemic agent	Piya Roy Chaudhuri, Priya K Gopal, Santanu Paul and Ruma Pal	Botany	Journal of Applied Phycology	2015	ISSN: 0921-8971 (Print) 1573-5176 (Online)
Carboxylic acid functionalized fluorinated sulfonated poly(arylene ether sulfone)copolymers with enhanced oxidative stability.	R. Mukherjee, S. Banerjee, H. Komber, B. Voit	Biochemistry	Journal of Membrane Science	2016, March	0376-7388

Enzymatic Peeling of Potato: A Novel Processing Technology.	M Bishai, A Singh, S Adak, J Prakash, L Roy, R Banerjee	Botany	Potato Research	2015, August	ISSN 0014-3065 E-ISSN: 1871-4528
An Empirical Study of Banker's Perception towards their Quality of Work Life.	Gaurav Deep Rai	Commerce	IOSR Journal Of Humanities and Social Science	2015, July	2279-0845, E-ISSN- 2279-0837
A study on the effect of gamma irradiation on Poly [Ethylene Oxide]: structural modification and variation in the kinetics of isoconversional phenomena.	M. Mukhopadhyay, M. Saha, R. Ray, S. Tarafdar	Physics	Indian Journal of Physics	2016, April	0973-1458, E-ISSN: 0974-9845
Electrical impedance response of gamma irradiated gelatin based solid polymer electrolytes analyzed using a generalized calculus formalism.	Tania Basu, AbhraGiri, Sujata Tarafdar, Shantanu Das	Physics	Journal of Electroanalytical Chemistry	2015, July	1572-6657, E-ISSN: 1873-2569
Unstable crack propagation in LAPONITE® gels: selection of a sinusoidal mode in an electric field.	S. Hazra, S. Sircar, T. Khatun, M. Dutta Choudhury, A. Giri, S. Karmakar, T. Dutta, S. Das, S. Tarafdara	Physics	RSC Advances	2016, June	2046-2069
Flavored leptogenesis with quasidegenerate neutrinos in a broken cyclic symmetric model.	BiswajitAdhikary, Mainak Chakraborty, and Ambar Ghosal	Physics	Physical Review D	2016, June	ISSN: 2470-0010 E-ISSN: 2470-0029
Withaniasomnifera root extract has potent cytotoxic effect against human malignant melanoma cells.	B. Halder, S. Singh, SS. Thakur	Zoology	PLoS One	2015, September	ISSN: 1932-6203

Creatine supplementation with Methylglyoxal: A Potent Therapy for Cancer in Experimental Models.	A. Pal, A. Roy, M. Ray	Zoology	Amino Acids	2016, April	0939-4451 (Print) 1438-2199 (Online)
A novel rhodamine-3,4-dihydro-2H-1,3-benzoxazine conjugate as a highly sensitive and selective chemosensor for Fe ³⁺ ions with cytoplasmic cell imaging possibilities.	Habib Ali Molla, Rahul Bhowmick, AtulKatarkar, Keya Chaudhuri, SumanaGangopadhyay and Mahammad Ali	Chemistry	Analytical Methods	2015, November	1759-9660, E-ISSN: 1759-9679
Formal Informal Credit Market Interlinkage and Development Policies: A General Equilibrium Analysis	Rakhi Banerjee, RanjanendraNarayan Nag	Economics	Modern Economy	2015, August	ISSN: 2152-7245 E-ISSN: 2152-7261

Synthesis, characterization and investigation of proton exchange properties of sulfonated polytriazoles from a new semifluorinated diazide monomer.	S. Saha, R. Mukherjee, A. Singh, S. Banerjee	Biochemistry	Polymer Engineering And Science	2016, August	ISSN: 0032-3888, E-ISSN: 1548-2634
Seri - Bioinformatics - to enhance the silken touch.	Dey, Santi Ranjan, Singh, Pankaj K., Ganguly, Sayak and De. Mitu	Botany	Journal of Environment and Sociobiology	2016, December	ISSN 0973-0834, E-ISSN 2454-2601
Human resource accounting practices in infosys technologies Ltd. – An evaluation.	Tanima Kundu	Commerce	International Journal of Business and Administration Research Review	2017, January- March	ISSN -2348-0653, E-ISSN- 2347 - 856X
Optimal payment time in a two-echelon supply chain with price-dependent demand under trade credit financing.	B.C. Giri, R. Bhattacharjee, T. Maiti,	Mathematics	International Journal of Systems Science: Operations & Logistics	2017, June	ISSN: 2330-2674, E-ISSN: 2330-2682

Coordinating a three-echelon supply chain under price and quality dependent demand with sub-supply chain and RFM strategies.	B.C. Giri, B. Roy, T. Maiti	Mathematics	Applied Mathematical Modelling	2017, May	ISSN: 0307-904X
Pattern formation of drying lyotropic liquid crystalline droplet.	Biswajit Roy, Sanat Karmakar, Abhra Giri and Sujata Tarafdar	Physics	RSC Advances	2016, November	2046-2069
Does Capital Market Liberalization increase Wage Gap Between Skilled and Unskilled Workers and Lead to Immiserization?... A Theoretical Analysis.	Banerjee R, Nag R.N	Economics	Asian Journal of Research in Business Economics and Management	2017, June	ISSN 2249-7307
Do Measures of Economic Reforms Complement Each Other?	J. S. Gupta, R. Narayannag, R. Banerjee	Economics	Modern Economy	2017, February	2152-7261, E-ISSN: 2152-7245
Improved sensitivity of wearable nanogenerators made of electrospun Eu ³⁺ doped P(VDF-HFP)/graphene composite nanofibers for self-powered voice recognition.	Adhikary, P., Biswas, A., & D. Mandal	Physics	Nanotechnology	2016	ISSN: 0957-4484, E-ISSN: 1361-6528
Yb ³⁺ assisted self-polarized PVDF based ferroelectric nanogenerator: A facile strategy of highly efficient mechanical energy harvester fabrication.	Ghosh, S. K., Biswas, A., Sen, S., Das, C., Henkel, K., Schmeisser, D., & Mandal, D	Physics	Nano Energy	2016	ISSN: 2211-2855
Fabrication of wearable semiconducting piezoelectric nanogenerator made with electrospun-derived zinc sulfide nanorods and poly(vinyl alcohol) nanofibers.	Sultana, A., Alam, M. M., Biswas A, Middy, T. R., & Mandal, D	Physics	Translational Materials Research	2016	ISSN: 2053-1613

Financial Analysis of an Urban Local Body in India Chosen under Smart City Project: A Case Study of Kochi Municipal Corporation.	Rakhi Banerjee	Economics	Asian Journal of Research in Business Economics and Management	2017, June	ISSN 2249-7307
Soluble polyimides with propeller shape triphenyl core for membrane based gas separation.	A. Dutta, S. Bisoi, R. Mukherjee, R. K. Chatterjee, S. Das, S. Banerjee	Biochemistry	Journal of Applied Polymer Science	2018, April	0021-8995 E-ISSN: 1097-4628
Identification of Anther-Specific Genes from Sesame and Functional Assessment of the Upstream Region of a Tapetum-Specific β -1,3-glucanase Gene.	S. Parveen, M. Mazumder, A. Bhattacharya, S. Mukhopadhyay, U. Saha, A. Mukherjee, B. Mondal, A. J. Debnath, S. Das, S. Sikdar, D. Basu.	Biochemistry	Plant Molecular Biology Reporter	2018, April	ISSN: 0735-9640 E-ISSN: 1572-9818
Detection of <i>Clavibacter michiganensis</i> in Infected Tomato with the Help of Immuno informatics Technique.	A. Basu, A. Sarkar, P. Basak	Biochemistry	International Journal of Pharmaceutical Sciences and Clinical Research	2018, April	ISSN- 0975-1556
Immuno informatics Study of Procyanidins as Mast Cell Stabilizers.	A. Basu, A. Sarkar, P. Basak	Biochemistry	Pharmacognosy Journal	2018, May	0975-3575

Spillover of facets of Quality of Work Life on Job Satisfaction: Evidence from College Teachers.Spillover of facets of Quality of Work Life on Job Satisfaction: Evidence from College Teachers.	Gaurav Deep Rai	Commerce	The Management Accountant Journal	2018, March	0972-3528
Optimal product quality and pricing strategy for a two-period closed-loop supply chain with retailer variable markup.	B.C. Giri, C. Mondal, T. Maiti	Mathematics	RAIRO Operations Research	2017, September	ISSN: 0399-0559, E-ISSN: 1290-3868
Analysing a closed-loop supply chain with selling price, warranty period and green sensitive consumer demand under revenue sharing contract.	B.C. Giri, C. Mondal, T. Maiti	Mathematics	Journal of Cleaner Production	2018, April	ISSN: 0959-6526
Use of prodigiosin for targeted drug delivery.	S. Chatterjee, D. Nath, R. Dhar, S. Laha Roy	Microbiology	Acta Crystallographica Section A: Foundation and Advances	2017, August	ISSN: 2053-2733
Impact of gamma irradiation on porosity and pore distribution of poly [ethylene-oxide] films: correlation with dielectric and microstructural properties.	M. Saha, M. Mukhopadhyay, R. Ray	Physics	Indian Journal of Physics	2017, September	0973-1458, E-ISSN: 0974-9845
Electrospungelatin nanofiber based self-powered bio-e-skin for health care monitoring.	, S. K., Adhikary, P., Jana, S., Biswas, A., Sencadas, V., Gupta, S. D, Mandal, D	Physics	Nano Energy	2017	ISSN: 0141-1594, E-ISSN: 1029-0338

Comparison of the Thermal Stability of the A, β and γ Phases in Poly(vinylidene Fluoride) Based on in Situ Thermal Fourier Transform Infrared Spectroscopy.	Biswas, A.; Henkel, K.; Schmeißer, D	Physics	Phase Transitions	2017	ISSN: 0141-1594, E-ISSN: 1029-0338
Two-Dimensional Piezoelectric MoS ₂ -Modulated Nanogenerator and Nanosensor Made of Poly(vinylidene Fluoride) Nanofiber Webs for Self-Powered Electronics and Robotics.	Maity, K., Mahanty, B., Sinha, T. K., Garain S., Biswas A., Ghosh, S. K., ... Mandal	Physics	Energy Technology	2017	E-ISSN: 2194-4296
Influence of in Situ Synthesized Bismuth Oxide Nanostructures in Self-Poled PVDF-Based Nanogenerator for Mechanical Energy Harvesting Application.	Biswas, A.; Garain, S.; Maity, K.; Henkel, K.; Schmeißer, D.; Mandal, D	Physics	Polym.Compos	2017	E-ISSN: 1548-0569
Investigation of ionic conduction in PEO–PVDF based blend polymer electrolytes.	S. K. Patla, R. Ray, K. Asokan, S. Karmakar	Physics	Journal of Applied Physics	2018, March	ISSN: 0021-8979 E-ISSN: 1089-7550
CCL2 conditionally determines CCL2-dependent Th2-accumulation during TGF- β -induced breast cancer progression.	P. K. Mandal, S. Biswas, G. Mandal, S. Purohit, A. Gupta, A. Majumdar (Giri), S. Roy Chowdhury, A. Bhattacharyya	Zoology	Immunobiology	2017, October	ISSN: 0171-2985
Origin of ferromagnetism in Cu doped rutile TiO ₂ - An ab-initio approach.	Sujata Roy, HomnathLuitel, D. Sanyal	Chemistry	Computational Condensed Matter	2017, October	ISSN: 2352-2143

Ab-initio calculation of the magnetic properties of P and As doped SnO ₂ .	HomnathLuitel, Sujata Roy, D. Sanyal	Chemistry	Computational Condensed Matter	2017, December	ISSN: 2352-2143
Does agricultural trade Liberalization and inflow of foreign Capital increase vulnerability of the Weaker sections of society? A Theoretical analysis.	Rakhi Banerjee, Ranjanendra Narayan Nag	Economics	International Journal of Creative Research Thoughts	2018, March	ISSN: 2320-2882
Effect of International Labour Mobility on Wage Gap In Presence of Non Traded Agricultural Sector: A Theoretical Analysis.	Senguta J, Banerjee R, Nag RN	Economics	Asian Journal of Research In Social Sciences and Humanities	2018, May	ISSN 2249-7315
Effect of Globalization on Real WAGE IN Presence of Agricultural Dualism in Developing Economies: A Theoretical Analysis.	Banerjee R, Nag R.N	Economics	International Journal OF Creative Research Thoughts	2018, March	ISSN: 2320-2882
Growth vs. development: comparative analysis of Gujarat and West Bengal.	Debolina Biswas, Soumallya Das	Economics	Indian Journal of Economics and Development	2018, May	2320-9828, E ISSN: 2320-9836

Immunoinformatics Based Vaccine Design for Zea M 1 Pollen Allergen.	A. Basu, A. Sarkar, P. Basak	Biochemistry	Journal of Young Pharmacists	2018, July	0975-1483, E ISSN: 0975-1505
Immuno informatics Based Study of T Cell Epitopes in Zea m 1 Pollen Allergen.	A. Basu	Biochemistry	Medicina (Kaunas, Lithuania)	2019, June	1010-660X, E ISSN: 1648-9144
Three dimensional structure prediction and ligand-protein interaction study of expansinprotien ATEXPA23 from Arabidosis thaliana L.	A. Basu, A. Sarkar, U Maulik, P. Basak	Biochemistry	Indian Journal of Biochemistry and Biophysics	2019, February	0301-1208, E- ISSN: 0975-0959

Proximity structure on generalized topological spaces.	M. N. Mukherjee, D. Mandal, D. Dey	Mathematics	Afrika Matematika	2018, September	1012-9405
Pricing and greening strategies for a dual channel closed loop green supply chain.	C. Mondal, B.C. Giri, T. Maiti	Mathematics	Flexible Services and Manufacturing Journal	2019, May	ISSN: 1936-6582, E-ISSN: 1936-6590
Non-suitability of high-energy (MeV) irradiation for property enhancement of structurally stable poly (ethylene oxide) polyvinylidene fluoride blend bromide composite electrolyte membrane.	S. K. Patla, Mukhopadhyay, M., Ray, R., Maiti, P. Mukhopadhyay, A. K. Sen, D., & Asokan. K.	Physics	Ionics	2018, August	ISSN: 0947-7047, E-ISSN: 1862-0760
Ion Specificity towards Structure-Property Correlation of Poly (Ethylene Oxide) [PEO] –NH ₄ I and PEO –KBr Composite Solid Polymer Electrolyte.	S. K. Patla, M. Mukhopadhyay, R. Ray	Physics	Ionics	2018, September	ISSN: 0947-7047, E-ISSN: 1862-0760
Nano filler-Induced Ionic Conductivity Enhancement and Relaxation Property Analysis of the Blend Polymer Electrolyte Using Non Debye Electric Field Relaxation Function.	Subir Kumar Patla, Ruma Ray, SanatKarmakar, Shantanu Das, Sujata Tarafdar	Physics	Journal of Physical Chemistry C	2019, February	ISSN: 1932-7447
In vivo fluid accumulation-inhibitory, anticolonization and anti-inflammatory and in vitro biofilm-inhibitory activities of methyl gallate isolated from Terminalia chebula against fluoroquinolones resistant Vibrio cholera.	Bag PK, Roy N, Acharyya S, Saha DR, Koley H, Sarkar P, Bhowmik P.	Zoology	Microbial Pathogenesis	2018, December	0882-4010

Methylglyoxal at metronomic doses sensitizes breast cancer cells to doxorubicin and cisplatin causing synergistic induction of programmed cell death and inhibition of stemness.	A. Roy, S. Sarker, P. Upadhyay, A. Pal, A. Adhikary, K. Jana, M. Ray	Zoology	Biochemical Pharmacology	2018, August	ISSN: 0006-2952
Methylglyoxal in combination with 5-Fluorouracil elicits improved chemosensitivity in breast cancer through apoptosis and cell cycle inhibition.	S. Ghosh, A. Pal, M. Ray	Zoology	Biomedicine & Pharmacotherapy	2019, April	ISSN: 0753-3322
Phenazine-Embedded Copper(II) Complex as a Fluorescent Probe for the Detection of NO and HNO with a Bioimaging Application.	Sumana Gangopadhyaya	Chemistry	Applied Bio Materials	2019	2576-6422
First principle analysis for magnetic properties of noble metal doped rutile TiO ₂ .	Sujata Roy, Homnath Luitel, D. Sanyal	Chemistry	Computational Condensed Matter	2018, November	ISSN: 2352-2143
Magnetic properties of transition metal doped SnO ₂ : A detailed.	Sujata Roy, Homnath Luitel, D. Sanyal	Chemistry	Computational Condensed Matter	2019, April	ISSN: 2352-2143