



Research, Innovations and Extension

Criterion 3

Criterion 3.2
Research Publication and
Awards



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3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Supporting Document for 3.3.1

Link to re-directing to journal source-cite website in case of digital journals

Sl. No.	Title of paper	Link Leading to Journal Source (Journal Homepage)
1	A simple method to fabricate metal doped TiO ₂ nanotubes	https://www.sciencedirect.com/journal/chemical-physics
2	Novel Processing Parameters for the extraction of Cellulose Nanofibres (CNF) from Environmentally benign Pineapple Leaf fibres (PALF): Structure-Property relationships	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules
3	Physicochemical, mechanical, barrier and antibacterial properties of starch nanocomposites crosslinked with pre-oxidised sucrose	Industrial Crops and Products Journal ScienceDirect.com by Elsevier
4	Effect of starch reduced graphene oxide on thermal and mechanical properties of phenol formaldehyde resin nanocomposites	Composites Part B: Engineering Journal ScienceDirect.com by Elsevier
5	Protective effect of the polyherbal formulation, Nalpamaram against ethano. induced hepatotoxicity in rats.	http://www.ukaazpublications.com/publications/
6	Enhancement in electrical conductivity and dynamic mechanical properties of resole resin with ZnO-RGO as nanofiller	Diamond and Related Materials Journal ScienceDirect.com by Elsevier
7	Seasonal Variability of Groundwater quality in coastal Aquifers of Kavarati Island, Lakshadweep Archipelago, India	Groundwater for Sustainable Development Journal ScienceDirect.com by Elsevier
8	Influence of p-n junction mechanism and alumina overlayer on the photocatalytic performance of TiO ₂ nanotubes	Nanotechnology - IOPscience
9	Viscoelastic and electrical properties of RGO reinforced phenol formaldehyde nanocomposites	Journal of Applied Polymer Science Wiley Online Library
10	Mechanical and thermal properties of ZnO anchored GO reinforced phenol formaldehyde resin	Diamond and Related Materials Journal ScienceDirect.com by Elsevier
11	Effect of MWCNT carboxylation on mechanical, thermal and morphological behaviour of phenol formaldehyde nanocomposites	Journal of Composite Materials: Sage Journals (sagepub.com)
12	Thermal and Electrical Properties of Phenol Formaldehyde Foams Reinforcing with Reduced Graphene Oxide	Polymer Composites - Wiley Online Library
13	Antifungal activity of human gut lactic acid bacteria against aflatoxigenic Aspergillus	https://onlinelibrary.wiley.com/journal/17454565

	flavus MTCC 2798 and their potential application as food biopreservative.	
14	Water sorption behavior of phenol formaldehyde resin reinforcing with reduced graphene oxide and ZnO decorated graphene oxide	Journal of Polymer Research Home (springer.com)
15	A comprehensive review on cellulose, chitin, and starch as fillers in natural rubber biocomposites	Carbohydrate Polymer Technologies and Applications Journal ScienceDirect.com by Elsevier
16	Polypyrrole-silver nanocomposite for enhanced photocatalytic degradation of methylene blue under sunlight irradiation.	Materials Letters Journal ScienceDirect.com by Elsevier
17	α -Fe ₂ O ₃ /ZnO heterostructure for enhanced photocatalytic and antibacterial activity	Semiconductor Science and Technology - IOPscience
18	Library Networking Services for the differently-abled students in Kerala:a proposal of State Consortium for Inclusive Libraries with Assistive technologies(SCILAT)	http://www.iaslic1955.org.in/Default.aspx?PageId=111
19	Progress in organocatalysis with hypervalent iodine catalysts	https://pubs.rsc.org/en/journals/journalissues/cs#!recentarticles&adv
20	Antimicrobial compound produced by human gut lactic acid bacteria having antifungal activity against aflatoxigenic Aspergillus flavus MTCC 2798	Journal of Food Processing and Preservation - Wiley Online Library
21	Protective effect of the polyherbal formulation Nalpamaram on the oxidative stress induced by ethanol	http://www.ukaazpublications.com/publications/
22	Phenotypic variations among strains of Escherichia coli O157 isolated from raw milk samples collected in Kerala, South India	https://www.ijfans.org/
23	Repetitive Extragenic Palindromic (REP) and Enterobacterial Repetitive Intergenic Consensus (ERIC) sequence-based typing of Shigatoxin producing Escherichia coli (STEC) from Bovine Environment.	https://onlinelibrary.wiley.com/journal/17454565
24	The relationship of lipid peroxidation and antioxidant status to selected modifiable risk factors in coronary artery disease patients.	https://www.sciencedirect.com/journal/international-journal-of-cardiology-hypertension
25	Kurthia gibsonii Mb126 immobilised chitinase against Aspergillus flavus, a fungal pathogen linked to lemon postharvest deterioration;	indian journal of science and technology (indjst.org)
26	Deproteinization of Shrimp Shell Waste by Kurthia gibsonii Mb126 immobilized chitinase	Home - Journal of Pure and Applied Microbiology (microbiologyjournal.org)

27	Antifungal effects of <i>Kurthia gibsonii</i> Mb126 chitinase as a seed treatment	Journal of Applied Biology and Biotechnology (jabonline.in)
28	Nano silica entrapped alginate beads for the purification of ground water contaminated with bacteria	Silicon Home (springer.com)
29	Influence of Magnesium Doping on the Photocatalytic and Antibacterial Properties of Hematite Nanostructures	physica status solidi (b) - Wiley Online Library
30	A comprehensive review on phenol-formaldehyde resin-based composites and foams	Polymer Composites - Wiley Online Library
31	Exoenzyme Profiling of Soil Bacteria from Thattekad Bird Sanctuary for Bioprospection	https://microbiologyjournal.org/
32	Composites of resorcinol and hexamethylenetetramine modified nanocellulose whiskers as potential biofiller in natural rubber latex: synthesis, characterization and property evaluation	https://www.springer.com/journal/13399
33	Salutary attributes of probiotic human gut lactobacilli for gut health	https://academic.oup.com/lambio
34	Thermal diffusivity study of one-pot synthesised polypyrrole silver nanocomposite by thermal lens method."	Materials Today Communications Journal ScienceDirect.com by Elsevier
35	A model of foreground emission in UV using GALEX deep observations.	Advances in Space Research Journal ScienceDirect.com by Elsevier
36	Surface plasmon resonance induced impressive absorptive nonlinearity from C-2-phenylethenilcalix [4]resorcinarene silver hybrid system.	Optical Materials Journal ScienceDirect.com by Elsevier