



KURIAKOSE ELIAS COLLEGE MANNANAM

Affiliated to Mahatma Gandhi University, Kottayam
www.kecollege.ac.in | kecollegemnm@gmail.com



Criterion - III

Research, Innovations and Extension

3.3: Research Publications and Awards

3.3.1.

**Link to Research Papers published in
Journals listed in UGC-CARE list**



Link to Research Papers published in the Journals notified on UGC-CARE list during the assessment years (2018-2023)

Sl. No	Year	Name of the Author	Title of the Paper	Link to article / paper / abstract of the article
1	2023	Libin Kuriakose and V.V Ison	On the Synthesis of Novel AgInZn ₂ Te ₄ Quantum Dots Employing a Green Route	https://www.worldscientific.com/doi/10.1142/S1793984423500010
2	2023	Anju Elsa Tom, Ajith Thomas, Ajeesh Kumar Somakumar, Libin Kuriakose, V.V. Ison	Performance enhancement of PbS quantum dot solar cells employing a hybrid solid-state ligand exchange protocol	https://doi.org/10.1016/j.tsf.2023.140138
3	2023	Maria Jose, Jaiby Joseph, Mercy Mathews	A review on synthesis of graphene oxide and its functionalization through ion irradiation methods	https://iopscience.iop.org/article/10.1088/1742-6596/2663/1/012016
4	2023	Mekha Susan Rajan, Anju John, Minjoong Yoon & Jesty Thomas	Zeolite Y-supported carbon-doped TiO ₂ nanocomposites: Efficient solar photocatalysts for the purification of medicinal wastewater	https://doi.org/10.1007/s11356-023-26768-x
5	2023	Mathew Maya, Muhammed Afthab, Sreejith S., Sandhya C., Jyothis Mathew & Radhakrishnan E. K.	Prevalence of Antimicrobial Resistance Among the Hydrogen Sulfide Producing Bacteria Isolated on XLD Agar from the Poultry Fecal Samples	https://doi.org/10.1007/s12010-023-04633-4
6	2023	Radhakrishnan Sivakumar, Kiseong Park, Jesty Thomas, Seok Min Yoon, Minjoong Yoon	Solar catalytic CO ₂ reduction over POM-entrapped zeolites decorated with TiO ₂ nanocomposites in water: Highly efficient and selective production of CH ₃ OH via Z-scheme charge separation	https://doi.org/10.1016/j.jece.2024.112052
7	2023	Mekha Susan Rajan, Anju John and Jesty Thomas	Perylene nanoparticle-sensitized MoS ₂ : an efficient solar photocatalyst for the degradation of pollutants	https://doi.org/10.1039/D2N104817E
8	2023	Sujarani Mathew	When Sita Speaks Pali And Draupadi Tamil: The Politics of Regional Representations	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1.-Sujarani-Mathew-Assonance.pdf





9	2023	Joby Joseph	Searching for identity and fulfilment: Re-reading of Achebe's Refugee Mother and Child	https://kecollege.ac.in/wp-content/uploads/2024/02/Bhairavi-2023-Publication_Fr.-Dr.-Joby-Joseph.pdf
10	2023	Theja Joseph, J. G. Ray	Experimental Assessment of Lipid Yield and Phycoremediation Potential of Five Indigenous Microalgae Under Various Nutrient Regimes	https://link.springer.com/article/10.1007/s12155-024-10722-x
11	2023	Midhila Baby, Mathews T Thelly	Antioxidant Anti-inflammatory and Antibacterial Potential of Lyophilized powder of Ziziphus rugosa Lam. Leaf extract (ZLE)	https://www.hrpub.org/download/20230730/AZB5-11429344.pdf
12	2023	Joby Joseph	Post-Humanism Reverberating Through the Select Novels of Jose Saramago: A Philosophical and Epistemological Survey	https://kecollege.ac.in/wp-content/uploads/2024/02/Xpl ore-Publication Fr.-Dr.-Joby-Joseph.pdf
13	2023	Joby Joseph	Myth: A Brief Introduction	https://kecollege.ac.in/wp-content/uploads/2024/02/History-Research-Journal-Publication Fr.-Dr.-Joby-Joseph.pdf
14	2023	Joby Joseph	Context-Specific and Philosophical Dimensions of Literature	https://kecollege.ac.in/wp-content/uploads/2024/02/Humanities-and-Social-Science-Studies-Publication Fr.-Dr.-Joby-Joseph.pdf
15	2023	Smitha S., Kattumannil Sudeesh K., E. P. Sreedevi	Dynamic cumulative residual entropy generating function and its properties	https://doi.org/10.1080/03610926.2023.2235448
16	2022	Ranjini Radhakrishnan, Manoj Parameswaran, K. Satheesh Kumar	The evolution and recent research trends of Surface Enhanced Raman Scattering sensors using plasmonics: Citation network analysis	https://www.sciencedirect.com/science/article/abs/pii/S025405422015619
17	2022	Ajimon George, Prajod Sunny	Why do people continue using mobile wallets? An empirical analysis amid COVID-19 pandemic	https://doi.org/10.1057/s41264-022-00174-9





18	2022	Ajith Thomas , Anju Elsa Tom, V.V. Ison	An inverted architecture P3HT: CdSe bulk-heterojunction hybrid solar cell utilizing a quantum junction with high open circuit voltage and efficiency	https://doi.org/10.1016/j.egy.2022.09.190
19	2022	Edithstine Rani Mathew and Lovelymol Sebastian	Fuzzy Optimization and gH symmetrically derivatives of Fuzzy Function	https://doi.org/10.58250/jnanabha.2022.52232
20	2022	Joby Joseph	Quest for Perfection and Complete Identity in Jose Saramago's Novels: A Re-reading of Blindness	https://kecollege.ac.in/wp-content/uploads/2024/02/Purana-2022-Publication_Fr.-Dr.-Joby-Joseph.pdf
21	2022	Jikku Mariam John, Chinchu Rani Vincent	A gender-based study to measure mindfulness and locus of control among sex workers	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Chinju-Rani-Vincent-IJPS.pdf
22	2022	Anu Mary James, Karthika Elizabeth	Different psychological constructs on pet owners during covid-19 pandemic	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Karthika-Elizabeth-IJPS.pdf
23	2022	Mekha Susan Rajan, Anju John, Jesty Thomas	Nanophotocatalysis for the Removal of Pharmaceutical Residues from Water Bodies: State of Art and Recent Trends	https://www.ingentaconnect.com/content/ben/cac/2022/0000018/00000003/art00006
24	2022	Mekha Susan Rajan, Minjoong Yoon, Jesty Thomas	Kaolin-graphene carboxyl incorporated TiO ₂ as efficient visible light active photocatalyst for the degradation of cefuroxime sodium	https://link.springer.com/article/10.1007/s43630-022-00179-2
25	2022	Anju John, Jesty Thomas	Enhancement of photocatalytic activity of g-C ₃ N ₄ under solar light by Nd ³⁺ doping and HPA incorporation and its application in the degradation of ceftriaxone sodium	https://doi.org/10.1080/03067319.2022.2036736
26	2022	Sujarani Mathew	Implications of Intercultural Communicative Competence in English Language Teaching/Learning in the 21st Century	https://journals.eltai.in/index.php/jelt/article/view/JELT640302/429
27	2022	Midhila Baby and Mathews T Thelly	HPTLC finger printing of Sec.metabolites in the aqueous extract of stem bark of Ziziphus rugosa	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Mathews-T-Thelly-and-Midhila-Baby-HPTLC-Fingerprinting-of-Secondary-Metabolites.pdf





28	2021	Sujarani Mathew	Education and Cultural Capital as Criteria of Social Mobility: A Socio-Psychological Study in Victorian Literature	http://psychologyandeducation.net/pae/index.php/pae/article/view/3001
29	2021	Aswathy Maheswaran & Sujarani Mathew	Position of Memes in Trolls: A Linguistic Analysis based on Theory of Humour	https://ilkogretim-online.org/index.php/pub/article/view/4200/4082
30	2021	Linta Maria Jose, Sunny Kuriakose and Tessymol Mathew	Development of Photoresponsive zinc oxide nanoparticle - encapsulated lignin functionalized with 2-[(E)-(2-hydroxy naphthalen-1-yl) diazenyl] benzoic acid: A promising photoactive agent for antimicrobial photodynamic therapy	https://doi.org/10.1016/j.pdpdt.2021.102479
31	2021	Mareena Eappen & Sujarani Mathew	Trauma among Women in War Torn Nigeria	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Sujarani-Mathew-TRAUMA-AMONG-WOMEN-IN-WAR-TORN-NIGERIA-111-115.pdf
32	2021	Jacquiline Thankachan, Mitha Babu	Role of spiritual intelligence on Resilience and Mental health	https://www.jetir.org/view?paper=JETIR2109043
33	2021	Anoop Vijayan, V.Chithra, C.Sandhya	The relationship of lipid peroxidation and antioxidant status to selected modifiable risk factors in coronart artery disease patients	https://doi.org/10.1016/j.ijch.2021.100077
34	2021	Ajimon George, Prajod Sunny	Developing a research model for mobile wallet adoption and usage	https://journals.sagepub.com/doi/10.1177/2277975220965354
35	2020	Anju John, Mekha Susan Rajan, Jesty Thomas	Carbon nitride-based photocatalysts for the mitigation of water pollution engendered by pharmaceutical compounds	https://doi.org/10.1007/s11356-021-13528-y
36	2020	Radhika S, Jesty Thomas	Degradation of Endocrine Disruptors using Modified TiO2 Nanorods under Sunlight	http://www.ijacskros.com/8%20Volume%204%20Issue/DOI%2010.22607IJACS.2020.804003.pdf
37	2020	Sujarani Mathew	Transcendentalism and East West Intertexts: A Coss-sectional Analysis of Indian and Western Literary Criticism	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Sujarani-Mathew-Transcendentalism-and-East-West-Intertexts.pdf





38	2020	Sujarani Mathew	Lacanian Narcissism in Text: A French Feminist Overview of Kamala Das's Oeuvre	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Sujarani-Mathew-Lacanian-Narcissism-in-Text.pdf
39	2020	Ann Mary Philip, Sunny Joseph Kalayathankal, and Joseph Varghese Kureethara	On Interval Valued Fuzzy Graphs Associated with a Finite Group	https://doi.org/10.1063/5.0006810
40	2020	K. S. Ambili, Jesty Thomas	Synthesis of hybrid materials by immobilizing paraaminobenzoic acid complexes of Eu ³⁺ and Tb ³⁺ in zeolite Y and their luminescent properties	https://link.springer.com/article/10.1007/s10934-019-00857-0
41	2020	Linta Maria Jose, Sunny Kuriakose, Sabu Thomas	Fabrication, Characterization and In Vitro Antifungal Property Evaluation of Biocompatible Lignin Stabilized Zinc Oxide Nanoparticles Against Selected Pathogenic Fungal Strains	https://link.springer.com/article/10.1007/s12668-020-00748-8
42	2020	Divya Joseph, Mathew Jacob	Role of Responsible Tourism in Economic Development: A Systematic Review of Literature	https://kecollege.ac.in/wp-content/uploads/2024/09/3.3.1-Divya-Joseph-Article-Role-of-Responsible-Tourism-in-Economic-Development-A-Systematic-Review-of-Literature.pdf
43	2019	E.M. Suji, Sunny Joseph Kalayathankal	Topological Indices: Study of a Chemical Molecular Structure	https://thinkindiaquarterly.org/index.php/think-india/article/view/15339/10482
44	2019	Sajan Mathew, John T Abraham, Sunny Joseph Kalayathankal	Data Mining Applications in Higher Education and Innovation Advancements	https://thinkindiaquarterly.org/index.php/think-india/article/view/15350#google_vignette
45	2019	Ann Mary Philip, Sunny Joseph Kalayathankal, Joseph Varghese Kureethara	Characterization of interval-valued fuzzy bridges and cutnodes	https://doi.org/10.1063/1.5097513
46	2019	Ann Mary Philip, Sunny Joseph Kalayathankal, Joseph Varghese Kureethara	On Different kinds of arcs in interval valued fuzzy graphs	https://doi.org/10.26637/MJM0702/0025





47	2019	Sunny Joseph Kalayathankal, John T. Abraham, and Joseph Varghese Kureethara	A fuzzy computing software quality model	https://pubs.aip.org/aip/acp/article-pdf/doi/10.1063/1.5092932/14179555/050004_1_online.pdf
48	2019	Jaiby Joseph	Evaporation-residue-gated spin distribution measurements of the highly fissile compound nucleus Th*224 through O16+Pb208 and O18+Pb206 reactions	https://inspirehep.net/literature/1777258
49	2019	Janey Mary Mathew, Varughese Philip, Jesty Thomas	Synthesis, Spectroscopic Characterization, Antibacterial and Short Term in vitro Cytotoxicity Studies of Copper (II) Complexes of Novel Tridentate N,N,S-donor Ligand 2-benzoylpyridine-N(4),N(4)- (N,N-diethyl-N-methylamine- 2,2'-diyl) thiosemicarbazone	DOI:10.14233/ajchem.2019.22138
50	2019	Janey Mary Mathew, Jesty Thomas	Short term in vitro cytotoxicity studies of Zn (II) complexes of a tridentate N,N,S-donor thiosemicarbazone ligand, Hbptsc synthesized from 2- benzoylpyridine and Piperazine Base	https://www.ijrar.org/papers/IJRAR19J3267.pdf
51	2019	Linta Maria Jose, Sunny Kuriakose	Photochemical studies and Photoinduced Antibacterial Properties of Silver-Nanoparticle Encapsulated Biomacromolecule Bovin Serum Albumin Functionalised with Photoresponsive Chromophoric System 2-[E-3 Hydroxynaphthalen-2-yl] Benzoic Acid	https://doi.org/10.1007/s13233-019-7004-9
52	2019	Smitha S., G. Rajesh, Baby A. K.	On Dynamic Cumulative Past Entropy Generating Function	https://thinkindiaquarterly.org/index.php/think-india/article/view/15359/10499
53	2018	Jesty Thomas, Ambili K.S, Radhika	Synthesis of Sm ³⁺ -doped Graphitic Carbon Nitride Nanosheets for the Photocatalytic Degradation of Organic Pollutants under Sunlight	https://doi.org/10.1016/j.cattod.2017.06.029





54	2018	Jesline Maria Mamen	Happiness and Performance at Work	https://iahrw.org/product/happiness-and-performance-at-work/
55	2018	Kevin Abraham, A.K. Thomas, Jini Thomas, K.V. Saban	Attractive dielectric responses with doping of Cr ³⁺ and Ti ⁴⁺ in Sm _{1.5} Sr _{0.5} NiO ₄ ceramics	https://www.sciencedirect.com/science/article/abs/pii/S2214785318316626?via%3Dihub
56	2018	A.K. Thomas, Kevin Abraham, Jini Thomas, K.V. Saban	Origin of the high dielectric constant in Sm _{2/3} Cu ₃ Ti ₄ O ₁₂ ceramics	https://iopscience.iop.org/article/10.1088/1757-899X/360/1/012049

Prof. Dr. Ison V. Vanchipurackal

**PRINCIPAL
KURIAKOSE ELIAS COLLEGE
MANNANAM, KERALA-686 561**

