



ST JOHN'S COLLEGE, ANCHAL



CRITERION 3 – RESEARCH, INNOVATIONS AND EXTENSION

3.3 Research Publications and Awards

Metric No. 3.3.1 (QnM)

LINK TO THE WEBSITE OF ARTICLE / PAPER / ABSTRACT PUBLISHED

Title of the Paper	Name of the Journal	Link to website of the Journal	Name of author/s	Calendar Year of Publication
Beyond health-seeking behaviour: Exploring the hospital attacks in Kerala.	Ala	https://alablog.in/about/	Thomas, Sajan	2018
Computational study of molecular electrostatic potential, docking and dynamics simulations of gallic acid derivatives as ABL inhibitors.	Computational Biology and Chemistry	https://www.sciencedirect.com/journal/computational-biology-and-chemistry	Raghi, K. R., Sherin, D. R., Saumya, M. J., Arun, P. S., Sobha, V. N., & Manojkumar, T. K.	2018
Evaluation of groundwater quality and its suitability for drinking and agricultural use in Kavaratti Island in the Lakshadweep Archipelagos, India.	International Research Journal of Natural and Applied Sciences	https://www.aarf.asia/irjnas.php	Raheem, P., Vincy M. V. and Brilliant, R.	2018
Determination of ground water quality index as a tool for assessing the quality of ground water for drinking and other purpose in a coral atoll in Indian ocean Kavaratti Island, Lakshadweep, India	International Journal of Research and Analytical Reviews	https://ijrar.org/?http://ijrar.org&gclid=EAlalQobChMlzMj52bX_gQMVoqRmAh1bHQTHEAYASAAEgLTfPD_BwE	Palliyakkal, Raheem, and Brilliant Rajan	2018
Agrobiodiversity of Kuttanad wetlands in the context of promising agroforestry practices and resource sustainability	Indian Journal of Agroforestry	https://www.indianjournals.com/ijor.aspx?target=ijor:ijaf&type=home	T. Alexander	2018
Making of a Bandit: A Dalit Womanist Reading of Phoolan Devi's Autobiography <i>I, Phoolan</i> .	Literary Endeavour	https://www.literaryendeavour.org/	Joseph, Lalitha	2019
Representation of State Violence in K. R. Meera's <i>The Gospel of Yudas</i>	International Journal of English Language, Literature in Humanities	https://www.ijellh.com/index.php/OJS	Joseph, Lalitha	2019
Asymptotic and Boundedness Behaviour of a Rational Difference Equation	Journal of Difference Equations and Applications	https://www.tandfonline.com/journals/gdea20	D.S.Dilip, Adem Kilicman and Sibi C. Babu	2019
Asymptotic and Boundedness Behaviour of a Rational Difference Equation	Journal of Difference Equations and Applications	https://www.tandfonline.com/journals/gdea20	D.S.Dilip, Adem Kilicman and Sibi C. Babu	2019

Allelopathic Effect of Aqueous Extracts of <i>Centrathemum Intermedium</i> Less. on Germination and Seedling Growth of <i>Vigna Radiata</i> L.	World Journal of Pharmaceutical Research	https://wjpr.net/abstract_show/12993	Krishnan, R and Jacson, J. C.	2019
Comparative analysis of soil from mixed forest Habitats in Southern Western Ghats	Research Journal of Science and Technology	https://rjstonline.com/Home.aspx	Nisha Thomas and M. G. Sanal Kumar	2019
MODERNITY AT ARM'S LENGTH: STRATEGIC EXOTICISM IN MOTHER FOREST: THE UNFINISHED STORY OF C. K. JANU.	Literary Endeavour	https://www.literaryendeavour.org/	Rakesh Ramamoorthy	2019
Sexual Dimorphism in <i>Barilium bendelisis</i> (Hamilton,1822) Based on Scale Structure as Revealed by SEM and EDX Studies	International Journal of Multidisciplinary Research and Publications	https://ijmrap.com/	Nisha Thomas	2019
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation	Materials Science and Engineering: B	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	S.R.Archana P.S.Arun, B.R.Sreelekshmi and S.M.A.Shibli	2020
Re-Presenting Protestors as Thugs: The Politics of Labelling Dissenting Voices	Rupkatha Journal on Interdisciplinary Studies in Humanities	https://rupkatha.com/	Lalitha Joseph	2020
Antioxidant, antidiabetic and anticancer studies of nickel complex of Vanillin-4-Methyl-4-Phenyl-3-Thiosemicarbazone	Materials Today: Proceedings	https://www.journals.elsevier.com/materials-today-proceedings	Kumar Lekshmi V, Sunitha S, Rathika Nath G	2020
Phytochemical profiling and biological studies of <i>Vitex altissima</i> (L) leaves collected from South Kerala	International Conference on Energy and Environment	https://www.iceesen.com/	Sunitha Sundaresan, Lekshmi Vijayalekshmi Kumar, and Rathika Nath Gopinathan	2020
Thickness induced metal to insulator charge transport and unusual hydrogen response in granular palladium nanofilms	Physical Chemistry Chemical Physics	https://pubs.rsc.org/en/journals/journalissues/cp#!recentarticles&adv	Dharmendra K. Singh,a Praveen S. G.,a Adithya Jayakumar,a Suma M. N.,b	2020
Vibrational spectroscopic investigations and biological activity of toxic material amitraz	Materials Today: Proceedings	https://www.journals.elsevier.com/materials-today-proceedings	D.E. Nimmi a, Geethu Sudhi a, S.G. Praveen b, J. Binoy	2020
Experimental and theoretical investigations of vibrational spectrum and biological activity of dichlorvos	AIP Conference Proceedings	https://aip.scitation.org/toc/apc/2220/1	Geethu Sudhi, S. G. Praveen, T. S. Xavier, Peter T. M. Kenny, and J. Binoy	2020

Spectroscopic investigations of the interaction of BSA and DNA with the anticancer drug, N-(6-ferrocenyl-2-naphthoyl) glycine alanine ethyl ester (FNGAEE)	AIP Conference Proceedings	https://aip.scitation.org/toc/apc/2220/1	S. R. Rajina, S. G. Praveen, T. S. Xavier, Peter T. M. Kenny, and J. Binoy	2020
IMPACT OF PESTICIDE ACRINATHRIN ON <i>Bilobella braunerae</i> DHERVANG (COLLEMBOLA: NEANURIDAE) IN LABORATORY EXPERIMENTS	UTTAR PRADESH JOURNAL OF ZOOLOGY	https://mbimph.com/index.php/UPJOZ	Nisha Thomas and M.G. Sanal Kumar	2020
A Comparative Study On The Effect Of Pesticides In Controlling Leaf Roller (<i>Sylepta derogate</i>) attack On Okra (<i>Abelmoscus Esculentus</i> L Moench) And Its Yield	GIS SCIENCE JOURNAL	http://www.gisscience.net/	NISHA THOMAS	2020
Reproductive Biology Of <i>Bilobella Braunerae</i> (Dhervang 1981)- (Collembola:neanuridae) Relative To Temperature	GIS SCIENCE JOURNAL	http://www.gisscience.net/	Nisha Thomas and M.G. Sanal Kumar	2020
Effect of Feed on Life History of <i>Bilobella braunerae</i>	Journal of Xidian University	http://xadzkjdx.cn/	Nisha Thomas and M.G. Sanal Kumar	2020
ZOOPLANKTON DIVERSITY OF KOTTAKAYAL – A WETLAND IN SOUTH KERALA THAT IS UNDER THE THREAT OF SAND AND CLAY MINING	UTTAR PRADESH JOURNAL OF ZOOLOGY	https://mbimph.com/index.php/UPJOZ	F. JENSY ROSHAN AND R. SREEJAI	2020
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation	Materials Science and Engineering: B	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	S.R.Archana, P.S.Arun, B.R.Sreelekshmi and S.M.A.Shibli	2020
Global Stability, Periodicity and Boundedness Behavior of a Difference Equation	Southeast Asian Bulletin of Mathematics	http://www.seams-bull-math.ynu.edu.cn/	D.S.Dilip and Tony Philip	2020
Stability and Boundedness Properties of a Rational Exponential Difference Equation, Advances in Mathematics	Advances in Mathematics	https://www.research-publication.com/amsj/	J.Leo Amalraj, M.Maria Susai Manuel, D.S.Dilip and P.Venkat Mohan Reddy	2020
Solution of Nonlinear Second Order Multi-Point Boundary Value Problems by Shooting Type Differential Transform Algorithm, Advances in Mathematics	Advances in Mathematics	https://www.research-publication.com/amsj/	Sudha George, T.R.Sivakumar and D.S.Dilip	2020

Solution of Nonlinear Fourth Order Boundary Value Problems by Shooting Type Differential Transform Algorithm, Advances in Mathematics	Advances in Mathematics	https://www.research-publication.com/amsj/	Sudha George, T.R.Sivakumar and D.S.Dilip	2020
Asymptotic and Boundedness behaviour of a Second Order Difference Equation	Journal of Computational Mathematics	https://www.shcpub.in/index.php/cm	D.S.Dilip, Smitha Mary Mathew and E.M.Elsayed	2020
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation.	Materials Science and Engineering	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	Archana, S. R., Arun, P. S., Sreelekshmi, B. R., & Shibli, S. M. A.	2020
Myristica Swamp Forest-Geochemical approach, Kulathupuzha Forest Range, Kerala, Journal of advances in Biological Science	Journal of advances in Biological Science	https://jabscience.in/index.php?id=0	Kaladevi V and Preetha S S	2020
The Qualitative and Quantitative analysis of Phytoconstituents of fruit extracts of Oxalidaceae family	Journal of advances in Biological Science	https://jabscience.in/index.php?id=0	Preetha S S, Kaladevi V	2020
Electronic property of 2-(4-Methoxyphenyl)-4,5-dimethyl-1h- Imidazole 3-oxide: a hartree-fock approach	Pesquisa	https://pesquisaonline.net/	K. B. Benzon	2020
Global Stability, Periodicity and Boundedness Behavior of a Difference Equation	Southeast Asian Bulletin of Mathematics	http://www.seams-bull-math.ynu.edu.cn/	D.S.Dilip and Tony Philip	2020
Asymptotic and Boundedness behaviour of a Second Order Difference Equation	Journal of Computational Mathematics	https://www.shcpub.in/index.php/cm	D.S.Dilip, Smitha Mary Mathew and E.M.Elsayed	2020
Myristica Swamp Forest-Geochemical approach, Kulathupuzha Forest Range, Kerala, Journal of advances in Biological Science	Journal of advances in Biological Science	https://jabscience.in/index.php?id=0	Kaladevi V and Preetha S S	2020
Simultaneous SERS detection using hexagonal hollow Au-Ag nanoparticles	Vibrational Spectroscopy	https://www.sciencedirect.com/journal/vibrational-spectroscopy	C.R. Rekha , S.G. Jiji , V.U. Nayar , K.G. Gopchandran	2021
The Qualitative and Quantitative analysis of Phytoconstituents of fruit extracts of Oxalidaceae family	Journal of advances in Biological Science	https://jabscience.in/index.php?id=0	Preetha S S, Kaladevi V	2020

A Simple Synthesis Method for Growing Single Crystals of a Copper Coordination Polymer $[\text{Cu}(\text{C}_2\text{O}_4)(4\text{-aminopyridine})_2(\text{H}_2\text{O})]_n$, and its Theoretical and Physical Properties Studies	Crystal Research Technology	https://onlinelibrary.wiley.com/journal/15214079	George Mathew, Sebastian Francis, Neeraj Kumar Rajak, Sarojini Gopinathan Praveen,	2021
SEASONAL INFLUENCE OF SOIL PROPERTIES ON POPULATION DENSITY OF <i>Bilobella braunerai</i> (DHERVANG 1981)- (COLLEMBOLA: NEANURIDAE) IN GRASSLAND OF SOUTHERN WESTERN GHATS	UTTAR PRADESH JOURNAL OF ZOOLOGY	https://mbimph.com/index.php/UPJOZ	Nisha Thomas and M.G. Sanal Kumar	2021
DEVELOPMENTAL STAGES OF FEMALE REPRODUCTIVE SYSTEM IN BANANA STEM WEEVIL (<i>Odoiporus longicollis</i>) (Coleoptera: Curculionidae)	UTTAR PRADESH JOURNAL OF ZOOLOGY	https://mbimph.com/index.php/UPJOZ	Anupriya Samuel, Nisha Thomas and Leenamma Joseph	2021
Distribution of alien invasive species in aquatic ecosystems of the southern Western Ghats, India	Aquatic Ecosystem Health & Management	https://bioone.org/journals/aquatic-ecosystem-health-and-management/current	Smrithy Raj, Pranav Prakash, Rajesh Reghunath, Josin C. Tharian, Rajeev Raghavan and Appukuttannair Biju Kumar	2021
Principal component analysis of the Phytoplankton interaction with the Environmental factors in Kottakayal (Kerala, India)	Ecology Environment and Conservation	http://www.envirobiotechjournals.com/journal_details.php?jid=3	Jensy Roshan F. and Sreejai R	2021
Illegal and unmanaged aquaculture, unregulated fisheries and extreme climatic events combine to trigger invasions in a global biodiversity hotspot	Biological Invasions	https://www.springer.com/journal/10530	Smrithy Raj, A. Biju Kumar, Josin Tharian & Rajeev Raghavan	2021
Understanding Transliteration and Translation in The Goddess of Revenge	Translation Today	https://www.ntm.org.in/languages/english/translationtoday.aspx	DHANYA JOHNSON	2021
Simultaneous SERS detection using hexagonal hollow Au-Ag nanoparticles	Vibrational Spectroscopy	https://www.sciencedirect.com/journal/vibrational-spectroscopy	C.R. Rekha , S.G. Jiji , V.U. Nayar , K.G. Gopchandran	2021
Polyvinylpyrrolidone-Stabilized Palladium Nanocrystals as Chemiresistive Sensors for Low-Concentration Hydrogen Gas Detection	Applied Nano Materials	https://pubs.acs.org/journal/aanmf6	Christina E. Antony,# Gaana K.,# Praveen S. G., Adithya Jayakumar, Akshay Yadav, Nikhil S. Sivakumar,	2021

Rectangular p Periodicity and pqPeriodicity of a Rational Difference System	Examples and Counterexamples	https://www.sciencedirect.com/journal/examples-and-counterexamples	D.S.Dilip and Sibi C Babu	2021
Dynamics of a Second Order Nonlinear Difference System with Exponents	Journal of the Egyptian Mathematical Society	https://joems.springeropen.com/	D.S.Dilip and Smitha Mary Mathew	2021
Stability Analysis of a Time Varying Population Model Without Migration	Journal of Difference Equations and Applications	https://www.tandfonline.com/journals/gdea20	D.S.Dilip and Smitha Mary Mathew	2021
Simultaneous SERS detection using hexagonal hollow Au-Ag nanoparticles with near infrared plasmon	Vibrational Spectroscopy	https://www.sciencedirect.com/journal/vibrational-spectroscopy	C.R. Rekha , S.G. Jiji , V.U. Nayar, & K.G.Gopchandran	2021
Rectangular p Periodicity and pqPeriodicity of a Rational Difference System	Examples and Counterexamples	https://www.sciencedirect.com/journal/examples-and-counterexamples	D.S.Dilip and Sibi C Babu	2021
Dynamics of a Second Order Nonlinear Difference System with Exponents	Journal of the Egyptian Mathematical Society	https://joems.springeropen.com/	D.S.Dilip and Smitha Mary Mathew	2021
Stability Analysis of a Time Varying Population Model Without Migration	Journal of Difference Equations and Applications	https://www.tandfonline.com/journals/gdea20	D.S.Dilip and Smitha Mary Mathew	2021
Nritham Kampola Thantrangalum Sangedika Vidheyum	Thudi	https://www.kannuruniversity.ac.in/ml/academics/campus/all-departments/departments-of-malayalam/research/journals/journals/	Mary M Abraham	2022
Heavy Metal Absorption and Phytoremediation Capacity of Macrophytes of Polachira Wetland of Kollam District, Kerala, India	Research Journal of Chemistry and Environment	https://worldresearchersassociations.com/chemistryhome.aspx	Nizar Najila and George Anila	2022
Screening and Quantitation of Pesticide Residues in Indian Honey Samples by LC-MS/MS and GC-MS/MS	Indian Journal of Science and Technology	https://indjst.org/#home	J Prasanth, M V Vincy, R Brilliant	2022
Influence of Agrochemicals on the Reproductive Biology of Bilobella braunerae Dhervang 1981, (Collembola: Neanuridae) in Lab Conditions	International Journal of Entomology Research	https://www.entomologyjournals.com/	Nisha Thomas, M G Sanal Kumar	2022
Dynamics of interspecific k species competition model	Journal of Interdisciplinary Mathematics	https://www.tandfonline.com/journals/tjim20	D.S.Dilip and Smitha Mary Mathew	2022

Mapping Spatiality : A study on social and psychological spaces in 'Tunnelling the Mountain'	Malayalam Literary Survey	https://keralasahityaakademi.org/%E0%B4%AE%E0%B4%B2%E0%B4%AF%E0%B4%BE%E0%B4%B3%E0%B4%82-%E0%B4%B2%E0%B4%BF%E0%B4%B1%E0%B5%8D%E0%B4%B1%E0%B4%B1%E0%B4%BF-%E0%B4%B8%E0%B5%BC%E0%B4%B5%E0%B5%87/	DHANYA JOHNSON	2022
A study on satisfaction towards life insurance policies among school teachers	International Journal of Scientific Development and Research	https://www.ijedr.org/?gclid=EAlaQobChMI9aKz0vrwgQMVRh-DAx2IQgvwEAAAYASAAEgJNavD_BwE	Bainy George	2022
Electronically Integrated Mesoporous Ag–TiO ₂ Nanocomposite Thin films for Efficient Solar Hydrogen Production in Direct Sunlight	Energy Technology – Wiley Online Library	https://onlinelibrary.wiley.com/journal/21944296	Sunesh S. Mani, Sivaraj Rajendran, Nares h Nalajala, Thomas Mathew, Chinnak onda S. Gopinath	2022
Multifunctional Na-enriched Ni–Fe/Ni–P plates for highly efficient photo- and electrocatalytic water splitting reactions	New Journal of Chemistry	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	A. Anantha Krishnan, Aneesh Kumar M. A, Revathy B. Nair, Sivaraj R, Lamiya A, P. K. Jishnu, Sajith Kurian, Thomas Mathew, M. Ameen Sha and P. S. Arun	2022
Akalpanikatha N V Krishnarwarrierudae Kavithakalil	International Journal of Multidisciplinary Educational Research	https://ijmer.in/index.aspx	Sonu L Johnson	2022
Solution of Nonlinear Boundary Layer Problems With One Boundary Conditions at Infinity using Shooting Type Differential Transform Algorithm	Journal of Computational Mathematics	https://www.shcpub.in/index.php/cm	Sudha George, T.R.Sivakumar and D.S.Dilip	2022
Stability and Bifurcation Analysis of Two Spatial Population Dynamics Models	International Journal of Applied and Computational Mathematics	https://www.springer.com/journal/40819	D.S.Dilip and Tony Philip	2022
Vivaha Parasyangalum Keraleeya Samoohavum	Thudi	https://journal.kannuruniversity.ac.in/thudi/	Deepa Mary Joseph	2022
Dynamics of a Second Order Three Species Nonlinear Difference System with Exponents	Proyecciones	https://www.revistaproyecciones.cl/index.php/proyecciones/issue/view/349	Smitha Mary Mathew and D.S.Dilip	2022
Dynamics of interspecific k species competition model	Journal of Interdisciplinary Mathematics	https://www.tandfonline.com/journals/tjim20	D.S.Dilip and Smitha Mary Mathew	2022

Stability and Bifurcation Analysis of Two Spatial Population Dynamics Models	International Journal of Applied and Computational Mathematics	https://www.springer.com/journal/40819	D.S.Dilip and Tony Philip	2022
Dynamics of a Second Order Three Species Nonlinear Difference System with Exponents	Proyecciones	https://www.revistaproyecciones.cl/index.php/proyecciones/issue/view/349	Smitha Mary Mathew and D.S.Dilip	2022
The Manifestation of the life of Woman in Sarah Joseph's 'Aalahayude Penmakal	International Journal of Advanced Research in Science, Communication and Technology	https://ijarsct.co.in/	Mary M Abraham	2023
Heavy metal contamination in soil and groundwater around industrial areas of Kollam District, Kerala, India	Environmental Monitoring Assessment.	https://www.springer.com/journal/10661	George, A., Venugopal,A and Vashisht,A.K.	2023
Silver nanoparticles green synthesized with leaf extract of disease-resistant amaranthus genotypes effectively suppress leaf blight (Rhizoctonia solani Kühn) disease in a susceptible red amaranthus cultivar	3 Biotech	https://www.springer.com/journal/13205	S. Divya, A. R. Anusree, S. Vigi, S.G. Jiji, P. Akshaya Das, A. S. Rahul Dev, Susha S. Thara, Edna Mary Varghese, Pratheesh P. Gopinath & K. N. Anith	2023
Global stability, periodicity, and bifurcation analysis of a difference equation	AIP Advances	https://pubs.aip.org/aip/adv	J. Leo Amalraj, M Maria Susai Manuel, Dumitru Baleanu and D S Dilip	2023