

ST. JOHN'S COLLEGE, ANCHAL

ANNUAL REPORT 2020-2021

1. The Computer Skill Development Club and IQAC of St John's College, Anchal organized an online orientation class and workshop titled 'Enhance Your ICT Skills' on 20 July 2020. The program was conducted on Google meet platform and Dr Biju Bodeswaran, Assistant Professor of Commerce Arts College, Trivandrum led the session.

COMPUTER SKILL DEVELOPMENT CLUB AND IQAC, ST JOHN'S COLLEGE, ANCHAL

ENHANCE YOUR ICT SKILLS

2020 JULY 20

Resource Person:
DR BIJU BODESWARAN
ASSISTANT PROFESSOR OF
COMMERCE ARTS COLLEGE, THIRUVANANTHAPURA

Google Meet <https://meet.google.com/smo-grgs-wkz>

2. An online lecture series was organized by the Department of Mathematics in association with IQAC, St John's College, Anchal. The title of the Lecture series was "Online Lecture Series on **Mathematical Analysis: Visualization & Applications**. The lecture series was held from 20 August 2020 to 04 September 2020 on the google meet platform.

3. Department of Physics in association with IQAC of the college conducted an “International Webinar on Material Science” on 23- 25 September 2020.

ST. JOHN'S COLLEGE
MAR GREGORIOS NAGAR, ANCHAL, KERALA, INDIA
RE-ACCREDITED WITH A GRADE BY NAAC

SPEAKERS

DR. S PAVAN KUMAR NAIK 23rd SEPT, IST 10:50 AM - 11:30 AM
TOKYO UNIVERSITY OF SCIENCE
JAPAN
INTRODUCTION TO SUPERCONDUCTIVITY AND RECENT DEVELOPMENTS
Superconductivity is the flow of electric current with no loss and exhibiting perfect diamagnetism in certain materials as temperatures cool down to its characteristic critical temperatures. Based on these, they hold great potential for several engineering applications such as high current transmission cables, superconducting electromagnets, magnetically levitating trains, levitating platforms, magnetic resonance imaging, nuclear magnetic resonance, trapped field magnets, frictionless flywheels, energy storage, motors etc. I will outline the fascinating history of superconductivity, starting with its discovery, classification, physical properties and various phenomena. In this talk, I will also introduce the recent developments of high temperature superconducting materials growth techniques, and their properties useful for various practical applications, especially for generating high magnetic fields.

24th SEPT, IST 02:00 PM - 03:00 PM **DR. RANJITH KUMAR K M**
LABORATOIRE NATIONAL DES CHAMPS MAGNETIQUES INTENSES, LNCMI/CNRS
FRANCE
MAGNETIC FRUSTRATION: WHEN MAGNETISM MEETS GEOMETRY
Magnetic frustration, which arises from the competing interactions between the spins, has been at the center of intense experimental and theoretical investigations for many years. It has been proven to be a fruitful guideline to find exotic ground states and novel quantum phenomena. One of the important manifestations is the formation of the quantum spin liquid (QSL) ground state, which is a highly entangled and degenerate spin state without any symmetry breaking even at zero temperature. Search for and understanding these new states of matter is an open challenge for the condensed matter physics research.

24th SEPT, IST 04:00 PM - 05:00 PM **DR. UROŠ JAGODIČ**
DEPARTMENT OF CONDENSED MATTER PHYSICS, JOŽEF STEFAN INSTITUTE, JAMNINA
SLOVENIA
FORMATION OF TOPOLOGICAL DEFECTS IN SYSTEMS WITH NON-TRIVIAL GEOMETRY
This work concerns three cases. In the first part, we study the formation of topological defects surrounding critical points of various geometries revealed in liquid crystals. The shape of extreme geometry, such as a toroid, on the number of topological defects formed around the surface is studied. We give below points with fractal bases of several iterations to study the effect. In the second part, we study the thermal properties of two nematic phases as they are first cooled through the phase transition. For this purpose we devised an experimental technique allowing us to measure the time dependence of the temperature inside the liquid crystalline sample cell with the liquid crystal medium acting as a fast thermometer. In the first part, we develop and use a successful frustrated Ising model and a microscopic imaging technique to study the formation of nematic ordering as the liquid crystal is cooled. This allows us to study the process with unprecedented resolution, which is at least an order of magnitude faster than previous observations. Due to the unique nature of the isotropic nematic phase transition we study the process by cryo-electron imaging. We combine the data from the observation of the fast cooling through the phase transition with the temperature measurements to determine the supercooling of the nematic phase for up to 500 µs or in terms of temperature up to 10°C before the phase transition.

25th SEPT, IST 09:00 AM - 10:00 AM **DR. ANEESH PRABHAKARAN**
BRUKER DALTONIK GMBH GERMANY
A SUBSIDIARY OF BRUKER CORP. USA
ION MOBILITY MASS SPECTROMETRY FOR STRUCTURAL CHARACTERIZATION
The demand for chemical characterization of material is fast growing because it needs thorough knowledge of structural and chemical properties in the field of material science, nanotechnology, drug development, virology etc. There are many analytical techniques existing now for the study and characterization of materials (including organics). Mass spectrometry is one of the highly sensitive and accurate technique to analyze the molecules spotted from surfaces. Recently, a sister technique called Ion Mobility Spectrometry is used in tandem with Mass Spectrometers for detailed characterization, whereas both techniques are orthogonal, the information obtained from both techniques provide a detailed information of the samples under study. Hence, I present the fundamental concepts and recent developments in Ion Mobility Mass Spectrometry.

ORGANISED BY
Department Of Physics
in association with
ST. JOHN'S COLLEGE ANCHAL
IQAC

SPONSORED BY
DBT STAR COLLEGE SCHEME, GOVT. OF INDIA

ORGANIZING COMMITTEE:
Dr. Bright K C
(Head of the Department)
Dr. Praveen S G
(Convener)
Dr. Sreeja R
Mr. Varun S V

ADVISORY COMMITTEE:
His Beatitude Moran Mar Baselios Cardinal Cleemis Catholicos
(Chief Patron)
Rev. Fr. Johnson G
(Principal)

Join us on Google Meet

For registration [Click here](#) or Scan QR Code

"E-CERTIFICATES WILL BE PROVIDED FOR REGISTERED PARTICIPANTS"

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4. International Webinar Series on Emerging Research Methods in Social and Political Sciences was conducted on 23 September 2020 to 17 October 2020 by the Department of Political Science and Public Administration and IQAC of St John's College, Anchal.

ST. JOHN'S COLLEGE
Mar Gregorios Nagar, Anchal, Kerala, India
Re-Accredited with A Grade by NAAC

Department of
**Political Science and
Public Administration**
in association with
**IQAC, ST. JOHN'S
COLLEGE**

**INTERNATIONAL
WEBINAR SERIES**
on 'Emerging Research
Methods in Social and
Political Sciences'
September - October 2020

Advisory Committee
His Beatitude Moran Mar Baselios
Cardinal Cleemis Catholicos
Rev. Fr. Johnson G. (Principal)

Organising Committee
Dr. Ranita Thomas (Head and Co-ordinator)
Dr. Sajan Thomas (Convener)
Ms. Sildia Thomas
Ms. Nithya K. Murali
Ms. Arya C.S.
Ms. Diji Baby
Mr. Arun S

23rd September 2020
Dr. Dag Erik Berg
Associate Professor,
Maastricht University,
College, Norway
Dag Erik Berg will speak about the persistence of caste-based atrocities in India's liberal democracy and the development policies for the Scheduled Castes during the post-independence period. The presentation will touch upon Dr. Berg's latest book *Dynamics of Caste and Law: Dalits, Oppression and Constitutional Democracy in India* published by the Cambridge University Press (2019).

24th September 2020
Dr. Kristin Piyv
Assistant Professor,
University of Toronto,
Canada
Kristin Piyv will speak about her book *Disrupting Resistance - Indian Caste Abuse and the Emergency in Postcolonial India* published by the Cambridge University Press in September 2020. The book is based on Prof. Piyv's doctoral research at Yale University.

20th September 2020
Dr. Samson Bezabeh
Fellow, African Studies
Centre, Leiden,
The Netherlands
Samson Bezabeh will speak about citizenship and the logic of sovereignty in the African context. The talk will be based on Dr. Bezabeh's prize-winning article published in *African Affairs*, one of the world's leading Political Science journals published by the Oxford University Press.

28th September 2020
Shalini Rudra
Public Health researcher,
University of
Warwick, UK
Shalini Rudra, a public health expert formerly worked with Tata Trusts and Observer Research Foundation, will speak about the political economy of health – an area highly relevant in the context of the ongoing Covid-19 pandemic.

17th October 2020
Manu P Toms
Editor - Venture Capital
and Internet Economy,
ET Times
The Times of India
Manu P Toms, one of India's prominent prominent venture capitalists, will speak about the new frontiers in Internet Economy, alongside the socio-political implications that follow.

Registration : <https://forms.gle/yg6SJly9zeUdR7>
Join us on Google meet : <https://meet.google.com/yvz-ncxv-dko>
E-certificate will be issued to all registered participants.

politics@stjohns.ac.in www.stjohns.ac.in +91 8446844296 +91 8113056730

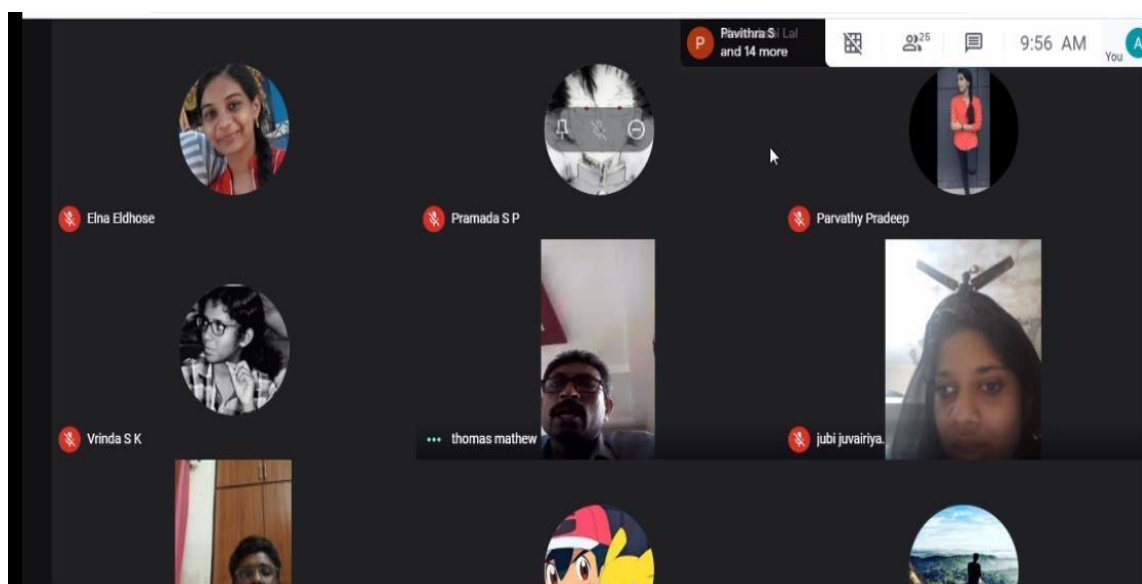
5. With an aim to make students aware of life skills, the Career Guidance, Placement Cell and IQAC of St John's College, Anchal organized a one-day workshop titled 'Motivate Yourself, Inspire Life Skill Training'. The workshop was organized on 04 November 2020. Ms Reshmy P. V from TCS, Info Park, Kochi was the resource person.



6. Department of Chemistry organized an Online Seminar on "Future Materials for Hydrogen Production" on 26 November 2020 in the Audio Visual Theatre. Dr Ameen Sha M, HOD, Department of Basic Science and Humanities, MACE, Trivandrum.



- On 26 November 2020, Department of Chemistry of our college hosted a school level debate competition, HEAM Parliamentarian 2020 in an online mode, supported by Star College Scheme of DBT, Govt. of India.



- The International webinar series on Reading Cricket was organized by the Department of English in November and December, 2020. The Resource Persons for the sessions were Mr Ramachandra Guha (Historian, Biographer, and Cricket Writer), Mr Nissim Mannathukkaren (Dalhousie University, Canada), Ms Claire Westall (University of York, UK) and Mr Souvik Naha (Durham University, UK).
- Communication Skill As A Tool- A Two-Day Workshop (Essential Communication Skills for Career) was organized by the Language and Skill Development Club and IQAC of St. John's College Anchal, Workshop on 11-12 January 2021. The workshop was conducted through the online platform of google meet. The session was led by Mrs Mary John Panackal, A Communication Trainer, UST Global Techno Park, Thiruvananthapuram.




LANGUAGE AND SKILL DEVELOPMENT CLUB AND IQAC
ST JOHN'S COLLEGE, ANCHAL
ORGANISES TWO DAY WORKSHOP

ESSENTIAL COMMUNICATION SKILLS FOR CAREER





Resource Person:
MARY JOHN PANACKAL
 COMMUNICATION TRAINER, UST GLOBAL,
 TECHNO PARK, THIRUVANANTHAPURAM


<https://meet.google.com/xxe-ghik-hpi>

10. Department of Political Science in collaboration with IIPA-KRB (Indian Institute of Public Administration, Kerala Regional Branch) Webinar Series on “Assembly Elections 2020- The Challenges Ahead” on 05 February 2021. The speakers of the programme were Dr Somanashekharan Pillai (Psephologist, Statistician Head and Associate Professor, University College, Thiruvananthapuram), Dr C A Josukutty (Associate Professor, University of Kerala and Director, Survey Research Centre) and Dr Anu Unny (Assistant Professor, University of Kerala).

INDIAN INSTITUTE OF PUBLIC ADMINISTRATION
Kerala Regional Branch
Thiruvananthapuram

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION
St John's College
Anchal
Kollam

IIPA – KRB WEBINAR SERIES

Assembly Elections 2020 – The Challenges Ahead

Speakers

DR. SOMANASHEKHARAN PILLAI
 Psephologist & Statistician Head and Associate Professor
 University College
 Thiruvananthapuram

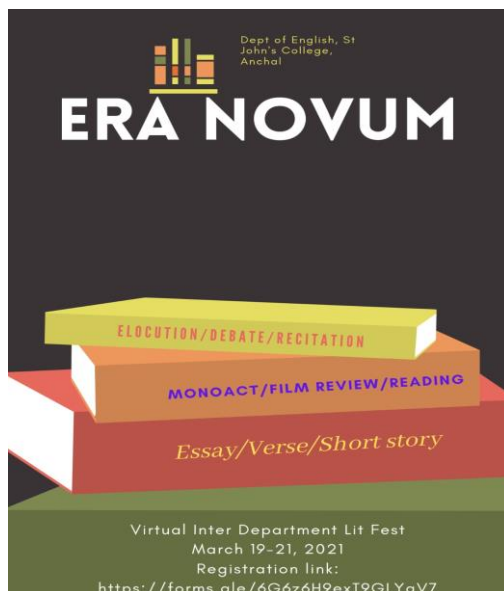
DR. C.A. JOSUKUTTY
 Associate Professor University of Kerala
 and Director Survey Research Centre

DR. ANU UNNY
 Assistant Professor University of Kerala

February 05, 2021, 10am onwards

meet.google.com/qaq-bhsg-rcf  **Google Meet**

11. The SJC Oratory Training Club in collaboration with the Literary Club of the English department conducted an array of inter department competitions as part of Era Novum, the **three-day Inter-department Virtual Literary Fest** from March 19 to 21, 2021.



12. The Department of Political Science and Public Administration of St John's College, Anchal along with IQAC organized a training program titled 'Deloitte Soft Skills Training' on 08 March 2021. Mr. Alex Mathew of T-Horizon was the resource person and the training took place through the platform Google Meet for video Conference.



13. Green audit and environment audit were conducted during the academic year 2020-'21.

Add on Course

1. Add on Course on AI Integrated English Language Acquisition for Specific Purposes conducted by the Department of English.
2. An online Add on course on “Mushroom Cultivation and Marketing,” is offered by the Department of Botany to provide the knowledge for Mushroom cultivation and its marketing strategy.
3. Department of Environmental Science- Hands-on training on Vermi composting
4. The Department of Malayalam has organized the Add on course on “Information Technology and Malayalam Literature”

Faculty Development Programme (2020-2021)

Sl. No.	Name of the Programme	No. of teachers participated
1	Orientation Programme	32
2	Refresher Course	
3	Short Term Course / Other Career Advancement Programme	

Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
Dr Alexander T	Assistant Professor, Department of Environmental Science	Two-Week FDP on Managing Online Classes and Co-creating MOOCs	25-07-2020 to 10-08-2020
Dr Anila George	Assistant Professor, Department of Environmental Science	FDP on Managing Online classes and Co-creating MOOCS 3.0	25-07-2020 to 10-08-2020
Arun M George	Assistant Professor, Department of English	Two-Week Programme on Managing Online classes and Co-creating MOOCS 3.0	25-07-2020 to 10-08-2020
Dr Brilliant Rajan	Assistant Professor, Department of Environmental Science	FDP on Managing Online classes and Co creating MOOCS 3.0, Online (Teaching Learning Center Ramanujan College, University of Delhi), Ministry of HRD	25-07-2020 to 10-08-2020
Dr Jency Roshan F	Assistant Professor, Department of Zoology	Two-Week Faculty Development Programme on "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0"	25-07-2020 to 10-08-2020
Dr Kaladevi V	Assistant Professor, Department of Environmental Science	Two-Week FDP on Managing Online Classes and Co-creating MOOCs	25-07-2020 to 10-08-2020

Dr Nisha Thomas	Associate Professor, Department of Zoology	Managing Online Classes and Co-creating MOOCS 3.0	25-07-2020 to 10-08-2020
Dr Sibi C Babu	Assistant Professor, Department of Mathematics	Two-Week FDP	25-07-2020 to 10-08-2020
Simi Saju	Assistant Professor, Department of Chemistry	Faculty Development Programme on "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0	25-07-2020 to 10-08-2020
Dr Sooraj Kumar	Assistant Professor, Department of English	Two-Week Faculty Development Programme on "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0"	25-07-2020 to 10-08-2020
Dr Thomas Mathew	Assistant Professor, Department of Chemistry	Two-Week Faculty Development Programme on "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0	25-07-2020 to 10-08-2020
Dr Jiji S G	Assistant Professor, Department of Physics	7-Day Virtual Faculty Development Programme on on Instructional Design using AGILE-ADDIE	28-07-2020 to 02-08-2020
Dr Jithin Jose P	Assistant Professor, Department of Physical Education	Short Term Faculty Development Programme - "Towards a Digital Era of Teaching and Learning"	12-08-2020 to 18-08- 2020
Dr Josin C Tharian	Assistant Professor, Department of Zoology	Two-Week Faculty Development Programme on "QUANTITATIVE METHODS FOR DATA ANALYSIS"	12-08-2020 to 25-08-2020
Dr Kavitha C H	Assistant Professor, Department of Botany	Two-Week Faculty Development Programme on "QUANTITATIVE METHODS FOR DATA ANALYSIS"	12-08-2020 to 25-08-2020
Rashmi S Pillai	Assistant Professor, Department of English	Two-Week FDP on Quantitative Methods for Data Analysis	12-08-2020 to 25-08-2020
Sonu L Johnson	Assistant Professor, Department of Malayalam	Two-Week Faculty Development Programme on "QUANTITATIVE METHODS FOR DATA ANALYSIS"	12-08-2020 to 25-08-2020
Sumesh S S	Assistant Professor, Department of Mathematics	Faculty Development Programme on QUANTITATIVE METHODS FOR DATA ANALYSIS	12-08-2020 to 25-08-2020
Dr Ronie Thomas	Assistant Professor, Department of Political Science & Public Administration	Faculty Development Programme on Essential Software Skill Training	17-08-2020 to 28-08-2020
Dr Tony Philip	Assistant Professor, Department of Mathematics	FDP in Learning Advanced E-tools for MOOCs Development & Research	01-09-2020 to 14-09-2020
Dr Bright K C	Assistant Professor, Department of Physics	Refresher Course in Physics	07-09-2020 to 20-09-2020
Dr Lalitha Joseph	Assistant Professor, Department of English	Two-Week Faculty Development Programme on "RESEARCH METHODOLOGY"	01-10-2020 to 15-10-2020
Dr Padma Chandran	Assistant Professor, Department of English	Two-Week FDP on Research Methodology	01-10-2020 to 15-10-2020
Rakesh R	Assistant Professor, Department of English	Two-Week Faculty Development Programme on "RESEARCH METHODOLOGY"	01-10-2020 to 15-10-2020

Dr Deepa Mary Joseph	Assistant Professor, Department of Malayalam	7-day Short Term Programme on Human Rights	03-10-2020 to 09-10-2020
Dr Sajjan Thomas	Assistant Professor, Department of Political Science & Public Administration	UGC-Sponsored Live Online Induction Programme	02-11-2020 to 01-12-2020
Shijo V Varghese	Assistant Professor, Department of Malayalam	UGC Sponsored Live Online Induction Programme	02-11-2020 to 01-12-2020
Dr Minimol S	Assistant Professor, Department of Mathematics	Induction Programme, UGC HRDC	11-11-2020 to 10-12-2020
Vinod L	Assistant Professor, Department of Malayalam	Media and Art in Teaching and Learning (Interdisciplinary)	12-01-2021 to 25-01-2021
Dr Dilip D S	Assistant Professor, Department of Mathematics	Computational Mathematics with SageMath	15-01-2021 to 15-03-2021
Dr Dhanya Ramachandran	Assistant Professor, Department of Mathematics	Four-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"	18-05-2021 to 17-06-2021
Dr Sunitha Grace Zacharia	Assistant Professor, Department of Mathematics	Four-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"	18-05-2021 to 17-06-2021

Research Publications during the Academic Year 2020-2021

Title of the Paper	Name of author/s	Department of the teacher	Name of the Journal	Calendar Year of Publication
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation	S.R. Archana, P.S. Arun, B.R. Sreelekshmi and S.M.A. Shibli	Chemistry	Materials Science and Engineering: B	2020
Re-Presenting Protestors as Thugs: The Politics of Labelling Dissenting Voices	Lalitha Joseph	English	Rupkatha Journal on Interdisciplinary Studies in Humanities	2020
Antioxidant, antidiabetic and anticancer studies of nickel complex of Vanillin-4-Methyl-4-Phenyl-3-Thiosemicarbazone	Kumar Lekshmi V, Sunitha S, Rathika Nath G	Chemistry	Materials Today: Proceedings	2020
Phytochemical profiling and biological studies of Vitex altissima(L) leaves collected from South Kerala	Sunitha Sundaresan, Lekshmi Vijayalekshmi Kumar, and Rathika Nath Gopinathan	Chemistry	International Conference on Energy and Environment	2020

Thickness induced metal to insulator charge transport and unusual hydrogen response in granular palladium nanofilms	Dharmendra K. Singh, ^a Praveen S. G., ^a Adithya Jayakumar, ^a Suma M. N., ^b	Physics	Physical Chemistry Chemical Physics	2020
Vibrational spectroscopic investigations and biological activity of toxic material amitraz	D.E. Nimmi ^a , Geethu Sudhi ^a , S.G. Praveen ^b , J. Binoy	Physics	Materials Today: Proceedings	2020
Experimental and theoretical investigations of vibrational spectrum and biological activity of dichlorvos	Geethu Sudhi, S. G. Praveen, T. S. Xavier, Peter T. M. Kenny, and J. Binoy	Physics	AIP Conference Proceedings	2020
Spectroscopic investigations of the interaction of BSA and DNA with the anticancer drug, N-(6-ferrocenyl-2-naphthoyl) glycine alanine ethyl ester (FNGAEE)	S. R. Rajina, S. G. Praveen, T. S. Xavier, Peter T. M. Kenny, and J. Binoy	Physics	AIP Conference Proceedings	2020
Impact of the pesticide ACRINATHRIN on BILOBELLA BRAUNERAE DHERVANG (COLLEMBOLA: NEANURIDAE) in Laboratory Experiments	Nisha Thomas and M.G. Sanal Kumar	Zoology	UTTAR PRADESH JOURNAL OF ZOOLOGY	2020
A Comparative Study on the Effect of Pesticides in Controlling Leaf Roller (Sylepta derogate) attack on Okra (Abelmoscus Esculentus L Moench) And Its Yield	NISHA THOMAS	Zoology	GIS SCIENCE JOURNAL	2020
Reproductive Biology of Bilobella Braunerai (Dhervang 1981)- (Collembola:neanuridae) Relative To Temperature	Nisha Thomas and M.G. Sanal Kumar	Zoology	GIS SCIENCE JOURNAL	2020
Effect of Feed on Life History of Bilobella braunerai	Nisha Thomas and M.G. Sanal Kumar	Zoology	Journal of Xidian University	2020
ZOOPLANKTON DIVERSITY OF KOTTAKAYAL – A Wetland in South Kerala that is under threat of Sand and Clay mining	F. JENSY ROSHAN AND R. SREEJAI	Zoology	UTTAR PRADESH JOURNAL OF ZOOLOGY	2020
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation	S.R. Archana, P.S.Arun, B.R. Sreelekshmi and S.M.A. Shibli	Chemistry	Materials Science and Engineering: B	2020
Global Stability, Periodicity and Boundedness Behavior of a Difference Equation	D.S.Dilip and Tony Philip	Mathematics	Southeast Asian Bulletin of Mathematics	2020

Stability and Boundedness Properties of a Rational Exponential Difference Equation, Advances in Mathematics	J.Leo Amalraj, M.Maria Susai Manuel, D.S.Dilip and P.Venkat Mohan Reddy	Mathematics	Advances in Mathematics	2020
Solution of Nonlinear Second Order Multi-Point Boundary Value Problems by Shooting Type Differential Transform Algorithm, Advances in Mathematics	Sudha George, T.R.Sivakumar and D.S.Dilip	Mathematics	Advances in Mathematics	2020
Solution of Nonlinear Fourth Order Boundary Value Problems by Shooting Type Differential Transform Algorithm, Advances in Mathematics	Sudha George, T.R.Sivakumar and D.S.Dilip	Mathematics	Advances in Mathematics	2020
Asymptotic and Boundedness behaviour of a Second Order Difference Equation	D.S.Dilip, Smitha Mary Mathew and E.M.Elsayed	Mathematics	Journal of Computational Mathematics	2020
Tuning of CeO ₂ -MnO ₂ nano composite in Al-Zn alloy matrix for effective activation.	Archana, S. R., Arun, P. S., Sreelekshmi, B. R., & Shibli, S. M. A.	Chemistry	Materials Science and Engineering	2020
Myristica Swamp Forest-Geochemical approach, Kulathupuzha Forest Range, Kerala, Journal of advances in Biological Science	Kaladevi V and Preetha S S	Environmental Science	Journal of advances in Biological Science	2020
The Qualitative and Quantitative analysis of Phytoconstituents of fruit extracts of Oxalidaceae family	Preetha S S, Kaladevi V	Environmental Science	Journal of advances in Biological Science	2020
Electronic property of 2-(4-Methoxyphenyl)-4,5-dimethyl-1h- Imidazole 3-oxide: a hartree-fock approach	K. B. Benzon	Physics	Pesquisa	2020
Global Stability, Periodicity and Boundedness Behavior of a Difference Equation	D.S.Dilip and Tony Philip	Mathematics	Southeast Asian Bulletin of Mathematics	2020
Asymptotic and Boundedness behaviour of a Second Order Difference Equation	D.S.Dilip, Smitha Mary Mathew and E.M.Elsayed	Mathematics	Journal of Computational Mathematics	2020
Myristica Swamp Forest-Geochemical approach, Kulathupuzha Forest Range, Kerala, Journal of advances in Biological Science	Kaladevi V and Preetha S S	Environmental Science	Journal of advances in Biological Science	2020

The Qualitative and Quantitative analysis of Phytoconstituents of fruit extracts of Oxalidaceae family	Preetha S S, Kaladevi V	Environmental Science	Journal of advances in Biological Science	2020
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Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings by faculties

SI No.	Name of Teacher	Department	Title of the book/chapters published	Title of the paper
1	Dr Lalitha Joseph	English	Masques: Poetry of Identities- An anthology	Entity
2	Ms Sonu L Johnson	Malayalam	Sahithyam, Charithram, Samskaram-Puthuvayanakal	Ezhuthinte Charithravum Preranakalum Athmakathakakalil
3	Ms Sonu L Johnson	Malayalam	Malayala Novel Sahithya Mala (Vol 1)	A minus B
4	Dr Lalitha Joseph	English	Mediating Gender Identities: Shifting Paradigms of Gender in the Indian Public Sphere	Reclaiming the Female Body through Femivertising Campaigns

National Service Scheme (NSS)

1. As part of World Environment Day (05 June 2020), NSS unit of our college took initiative (Harithalayam project) to make a greener and more sustainable environment in the college.
2. A seminar was organized in connection with World Environment day by the NSS unit of our college on 25 June 2020. Dr Brilliant Rajan was the key speaker of the day.
3. On the poignant day of August 16, 2020 against the backdrop of the ongoing COVID-19 pandemic, NSS unit orchestrated a solemn and impactful COVID-19 Pledge ceremony.
4. On National Unity Day, 31 October 2020, NSS volunteers pledged to preserve the unity, integrity, and security of the nation and also strive hard to spread this message among fellow mates.
5. NSS unit of St. John's College, Anchal celebrated the NSS day on 24 September 2020 with great vehemence and enthusiasm amidst Covid Pandemic with Motivational Speaker, Mr Praveen Varghese Thomas as the key speaker of the programme.

6. On Vigilance Awareness Day, NSS unit members took a pledge to promote integrity, transparency and accountability in public life followed by a poster making competition on the topic "Corruption free Nation".
7. In connection with Kerala Piravi and Mother language day, a meeting was organized on google meet platform and conducted a Reading competition to foster habit of reading among students.
8. Seven Day Virtual camp (NSS) which was named as "Ranthal" was conducted from 20 December 2020 in the college.
9. On 21 February 2021, St. John's College, Anchal celebrated International Mother Language Day with fervour and intellect, hosting a speech competition under the banner of NSS Unit 14 A&B.
10. As part of National Science Day, a science quiz competition was conducted among the volunteers of NSS on 28 February 2021.
11. As part of International Women's Day- A Week Of Prolonged Programs was organized by NSS Unit of our college dated 01- 08 March 2021.
12. A Poetry competition was conducted in the college on 13 March 2021 in connection with Poetry Day by the NSS unit of our college.
13. In the backdrop of Kerala legislative assembly election, the NSS Unit 14 A&B of St. John's College, Anchal has taken part in various programs (poetry writing, story writing, cartoon, collage and drawing), as per the circular directed by election Commissioner and District Collector on 19- 20 March 2021.
14. In connection with the forestry day, all the volunteers planted saplings in their houses as directed by NSS unit on 21 March 2021.
15. As part of World Water Day, the project named "Muttathoru Vellathotti" was implemented at the behest of the NSS on 22 March 2021.
16. In the context of TB day, a poster making competition was organized by the NSS Unit to raise awareness about tuberculosis on 24 March 2021.
17. In a collective effort to raise awareness about sustainability and address the pressing issue of climate change, the volunteers of St. John's College participated in Earth

Hour, a global initiative that encourages individuals and communities to symbolically switch off non-essential lights for one hour on 27 March 2021.

18. Covid Vaccination Awareness Programme was organized by the NSS Unit of our college on 31 March 2021 with Dr. Devraj R, Assistant Professor of Community Medicine and Assistant Nodal Officer for Covid Vaccination at Medical College, Thiruvananthapuram, as the resource person, who was behind the creation of a Covid Vaccination awareness video.

National Cadet Corps (NCC)

1. NCC Cadets participated in Covid-19 training conducted by Department of Personnel and Training, Government of India on 08 April 2020.
2. Cadets did Covid volunteering duty at Neendakara, a suburb of Kollam city, the twin harbors, Neendakara and Sakthikulangara with State Police and Health Workers in order to ensure Social Distancing and proper implementation of Covid protocol rules.
3. Cadets of SJC NCC unit provided masks and face shields to frontline pandemic fighters, made in home with excellent quality and in a big number and handed over it to Anchal police station.
4. SJC Anchal NCC unit observed World Environmental day on 05 June 2020. In this Covid scenario, cadets accepted the Plant One Tree challenge and upload it to various social media platforms to encourage others to aware them of the importance of trees.
5. NCC Unit, SJC Anchal observed International Yoga day 2021 with various activities as part of the programme.
6. NCC unit organized a poster making competition as part of Kargil Vijay Diwas on 22 July 2020.
7. NCC unit of our college celebrated Independence day on 15 August 2020 with great pride and happiness.
8. In connection with Fit India movement, a poster making were conducted by the NCC unit of our college on 26 August 2024.

9. As part of Swachh Bharat Mission, NCC cadets engaged in cleaning activities in observance of Gandhi Jayanti on 04 October 2020.
10. As part of Nation Building programme, Folk dance competition was conducted as per the notification from K&L dte on 08 January 2021.
11. SJC Anchal NCC unit participated in the Anti corruption poster making competition conducted on 09 December 2020 which was conducted in the Battalion Level.
12. Ex NCC Yogdan participation was a sensible and selfless service to the nation during the Covid 19 pandemic as around 50 cadets ensure their participation in various fields with the frontline workers.




PRINCIPAL
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