



CHRIST

COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

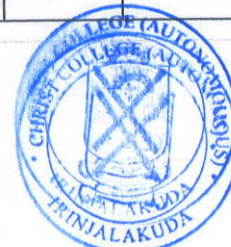
Office : 0480 2825258

Email : office@christcollegeijk.edu.in

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| CRITERION | III | Research, Innovations and Extension |
|---------------|-----|---|
| KEY INDICATOR | 3.4 | Research Publications and Awards |
| METRIC | 4 | Number of books and chapters in edited volumes / books published per teacher during the last five years |

| Sl. N o. | Name of the teacher | Title of the book/chapters published | Title of the paper | Title of the proceedings of the conference | Name of the publisher | Year of publication | National /International | ISBN/ISSN number of the proceeding |
|----------|--------------------------------|---|---|--|---|---------------------|-------------------------|------------------------------------|
| 1 | Alagra Antony | Soft skills for career success | | | EduCreation publishers | 2018 | National | ISBN 9781545723 777 |
| 2 | Alagra Antony | Intelligence for budding Managers | | | Mayas publication | 2019 | National | ISBN: 978-81-941560-0-0 |
| 3 | Arun Balakrishnan | 33 P's for a NSS Programme officer | | | Christ College (Autonomous), Irinjalakuda | 2021 | National | 978-81-93050-71-2 |
| 4 | Arun Balakrishnan & Shine Paul | Conference Proceeding of National Conference on Sustainability & Transformation of Small Business in Inclusive Growth organised by Dept. of Commerce, Guru Shree Shantivijai Jain College for Women, Chennai. | A study on the Fast Food Street Vendors | National Conference on Sustainability & Transformation of Small Business in inclusive Growth | | 2017 | National | ISBN 9789385643 253 |





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| | | | | | | | | |
| 5 | Arun Balakrishnan & Shine Paul | Conference Proceeding of Nehru School of Management studies, Pampady, Thiruvillamala, Thrissur | A Study on the Role of Humour in Classroom | International Conference on Women entrepreneurship & Business Management | | 2018 | National | ISSN 2349 - 4883 |
| 6 | Dr Bijoy C | | ANT-LIONS AND OWL-FLIES OF KERALA | Proceedings of the International Seminar: Biodiversity Conservation & Climate Change | | 2020 | International | ISBN No. 979-8-5938-6048-4 |
| 7 | Dr Bijoy C | | STATUS OF BEE | Proceedings of the | | 2020 | International | ISBN No. 979-8-5938- |

Fr. Dr. Jolly Andrews
Assistant Professor-
In-charge of Principal
Christ College (Autonomous)
Irinjalakuda





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|---|--------------|--|--|---|----------------------------|------|----------|-------------------------|
| | | | (INSECTA: HYMENOPTERA) DIVERSITY OF KERALA | International Seminar: Biodiversity Conservation & Climate Change | | | | 6048-4 |
| 8 | Dr. Bijoy C. | Insect Diversity and Taxonomy/First record of Subfamily Figitinae (Hymenoptera: Cynipoidea: Figitidae) from India. | | | TCN | 2017 | National | ISBN: 978-81-932880-3-0 |
| 9 | Dr. Bijoy C. | Fauna of Malabar Wildlife sanctuary, Conservation. / Insecta: Hymenoptera: Ceraphronoidea | | | Zoological Survey of India | 2019 | National | ISBN: 978-81-8171-518-0 |





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| 10 | Dr. Fr. Jolly Andrews, Dr. V. P. Joseph et.al | | Temperature Dependence of Complex Permittivity of Flame Retardant Circuit Boards | OSI - International Symposium on Optics (OSI-ISO 2018 manuscript No.(177)) | | 2018 | International | NA |
| 11 | Dr. Fr. Jolly Andrews, Dr. V. P. Joseph et.al | | High Sensitive Mechanical Vibration Sensor using Triangular BCSRR | OSI - International Symposium on Optics (OSI-ISO 2018 manuscript No.(175)) | | 2018 | International | NA |
| 12 | Dr. Fr. Jolly Andrews, Dr. V. P. Joseph et.al | | Resonance properties of split ring resonators made of polyaniline based conducting polymer | OSI - International Symposium on Optics (OSI-ISO 2018 manuscript No.(173)), | | 2018 | International | NA |
| 13 | Dr. Joshi | | Interface biology of | | | 2020 | International | NA |





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| | C.O. | | stem cell-driven tissue engineering : concepts, concerns and approaches | | | | | |
| 14 | Dr. K J Varghese | Teaching and learning through technology./A Roadmap to Enhance Core Teaching Competencies in Academic Landscape | | | | 2019 | National | ISBN: 978-93-2396-866-3 |
| 15 | Dr. K J Varghese | ICT in Education and Communication./ Sharpening soft skills for academic excellence, Compendium 2019 | | | | 2019 | National | ISBN: 978-93-5361-819-3 |





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| 16 | Dr. Shaju K Y | Variable Stars: Period search methods | | | LAP LAMBERT Academic Publishing is a trademark of: OmniScriptum GmbH & Co. KG Bahnhofstraße 28, D-66111 Saarbrücken | 2016 | International | 978-3-330-00317-0 |
| 17 | Dr. Shaju K Y | Mechanics | | | Calicut University Central Co-operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2016 | National | NA |
| 18 | Dr. Shaju K Y | Mechanics | | | Calicut University Central Co-operative Stores Ltd. No.4347, Calicut University | 2020 | National | NA |





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| | | | | | P.O., Kozhikode | | | |
| 19 | Dr. Shaju K Y | Methodology of Science and Basic Mechanics | | | Calicut University Central Co- operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2020 | National | NA |
| 20 | Dr. Shaju K Y | Mechanics-II | | | Calicut University Central Co- operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2021 | National | NA |
| 21 | Dr. Shaju K Y | Mechanics-I | | | Calicut University Central Co- operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2020 | National | ISBN: 978- 93-90302- 55-0 |
| 22 | Dr. Shaju K Y | Quantum Mechanics | | | Christ College (Autonom ous), Irinjalakud | 2021 | National | 978-93- 90783-37-3 |





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|----|---------------------|---|--|--|---|------|----------|----------------------|
| 23 | Dr. Shajuk Y | Relativistic Mechanics and Astrophysics | | | Calicut University Central Co-operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2022 | National | 978-93-92143-29-8 |
| 24 | Dr. Sudhikumar A.V. | World of spiders (in Malayalam) | | | Kerala Bhasha Institute | 2021 | National | 23491051 |
| 25 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |
| 26 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Diversity of kleptoparasites in the group living eresid spider Stegodyphus sarasinorum. Kerala. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |





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| | | | | | | | | |
| 27 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Diversity of kleptoparasites in the group living eresid spider Stegodyphus sarasinorum. Kerala. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |
| 28 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Preliminary study on spider | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |





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| | | fauna of riparian habitat near Jojari river, Rajasthan, India. | | | | | | |
| 29 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Microbial analysis of larval gut of Aedes aegypti. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |
| 30 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Effect of fringe vegetation on the diversity and community structure of | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |





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| | | paddy field spiders (Arachnida: Araneae) of Muriyad kol wetlands, Kerala. | | | | | | |
| 31 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /Diversity of spiders in Chulannur peafowl sanctuary, Kerala. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |
| 32 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /A | | | Christ College (Autonomous), | 2017 | National | ISBN: 9788193050767. |





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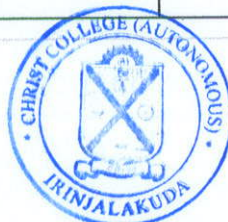
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| | | preliminary checklist of spiders (Araneae) from Wayanad wildlife sanctuary, Kerala, India. | | | Irinjalakuda | | | |
| 33 | Dr. Sudhikumar A.V. | Faunal diversity and recent trends in animal taxonomy. /A preliminary investigation on spider fauna from two selected habitats of Thrissur district, Kerala. | | | Christ College (Autonomous), Irinjalakuda | 2017 | National | ISBN: 9788193050767. |
| 34 | Dr. Tom | New Approach to | | | University | 2016 | National | ISBN: 978- |





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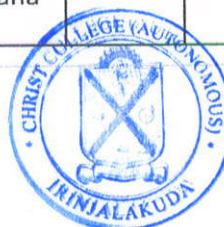
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| | Cheriyann | Experiments in chemistry | | | Science Press, Laxmi Publications Pvt. Ltd, New Delhi | | | 93-86035-53-0 |
| 35 | Dr. Tom Cheriyann | A Text Book of Engineering Chemistry, Sixth Edition | | | Orbit Publishers & Distributors, Ernakulam, Kerala, India | 2019 | National | ISBN: 13-978-81-932112-05-5 |
| 36 | Jincy S.R | | Reflection of gulf migration in Kerala society and cinema | Fourth international Kerala History Conference | Sahithya pravarthaka shakarana sangham, Kottayam | 2017 | International | ISBN-9789387439092 |
| 37 | Jincy S.R | Contemporary India- a text book for sixth semester B.A.History programme(University of Calicut) | | | Calicut University Central Co-operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2017 | National | NA |
| 38 | Jincy S.R | | From image to the sound and early | Fifth international Kerala History | Sahithya pravarthaka shakarana | 2018 | International | ISBN-9789388597111 |





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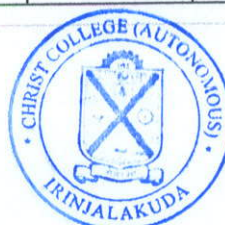
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| | | | history of Malayalam cinema till 1947 | Conference | sangham, Kottayam | | | |
| 39 | Jincy S.R | 'Sahodaran Ayyappan: yukthivadhiyum samoohya bodhamulla vimarsakanum'/Keralathile Navodhana Nayakar | | | Chintha, TVM | 2018 | National | ISBN- 97893 87842762 |
| 40 | Jincy S.R | Gender Studies- a text book for B.A. History Programme(Univ ersity of Calicut) | | | Calicut University Central Co-operative Stores Ltd. No.4347, Calicut University P.O., Kozhikode | 2019 | National | NA |
| 41 | Jincy S.R | | Gulf migration and | Histories unbounde d-selected | D.C.Books, Kottayam | 2019 | Internati onal | ISBN- 9789352827 473 |





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| | | | malayalam cinema | papers of third Kerala History congress | | | | |
| 42 | Jincy S.R | Sahodaran Ayyappan: the rationalist and critical realist/renaissance in Kerala: a revisit | | | Modern Books Centre , TVM | 2021 | National | ISBN-978-8-190178-35-8 |
| 43 | Jincy S.R | Herman Gundert and the evolution of print movement in Kerala/ Renaissance in keral : Arevisit | | | Modern Books Centre , TVM | 2021 | National | ISBN-978-8-190178-35-9 |
| 44 | Krishna A S | | A study on labour welfare measures and its impact on job satisfaction level of | International Educational Leadership Conference 2018,Malaysia, 6 Oct | | 2018 | International | ISBN 978-93-86770-96-7 |





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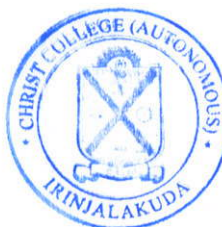
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| | | | workers in cashew nut factory, Pullur | 2018 | | | | |
| 45 | Subin K Jose | Environmental science and technology./Forest fire a global scenario identification and sustainable management using geoinformation technology. | | | Christ College (Autonomous), Irinjalakuda | 2016 | International | ISBN 978-1-5323-2260-0 |
| 46 | Subin K Jose | Introduction to Environmental studies | | | Christ College (Autonomous), Irinjalakuda | 2019 | International | ISBN-10:1695342364 |
| 47 | Subin K Jose | Environmental science (Audit Course) | | | Christ College (Autonomous), | 2019 | National | ISBN-978-81-930507-8-1 |





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| | | | | | Irinjalakuda | | | |
| 48 | Subin K Jose | Disaster management principles and practices | | | Christ College (Autonomous), Irinjalakuda | 2020 | International | ASIN:B083VID3C3 |
| 49 | V.P. Joseph and Dr. Fr. Jolly Andrews et al. | | Temperature Dependence of Relative Permittivity : A Measurement Technique Using Split Ring Resonators | | | 2017 | National | 0094243X |
| 50 | V.P. Joseph and Dr. Fr. Jolly Andrews et al. | | Determination of Permittivity of Pulses and Cereals using Metamaterial Split Ring Resonator | | | 2017 | National | 0094243X |
| 51 | V.P. Joseph | | Broadside coupled | AIP conference | | 2019 | International | 5130351 |





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| | and Dr. Fr. Jolly Andrews et al. | | split ring resonator metamaterial structure for sensitive measurement of liquid concentrations | e proceedings | | | | |
| 52 | Ajeesh K.G | Reflections on Professional Social Work Practice | Online Learning among Students during Covid Era:Challenges and opportunities | | | | National | 978-93-90588-74-9 |
| 53 | Ajeesh K.G | | A study on job stress of health inspector during covid -19 pandemic in Ernakulam district, Kerala | | | | National | 978-93-90588-74-10 |





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| 54 | Tessy Paul | Albertian Journal of multi disciplinary studies | Systematic assesment of fresh water phytoplankt on in the pernian ponds thrissur district,Kerala,India | | | 2020 | National | 978-93-5351-066-4 |
| 55 | Tessy Paul | Albertian Journal of multi disciplinary studies | Taxonomic Account of euglenoids in selected sites of karuvannur River,Kerala ,India | | | 2020 | National | 978-93-5351-066-5 |
| 56 | Tessy Paul | Trees of Mangadikunnu | | | | 2021 | National | 978-81930507-9-8 |
| 57 | Tessy Paul | | | KSCSTE Supported and spornserd National seminar | | 2017 | National | NA |



Photos

Christ College wins global laurels

Team presents 8 of the 11 papers from India at Metamaterial-2019 in Rome

SPECIAL CORRESPONDENT
THRISSUR

The Physics Department of Christ College (Autonomous), Irinjalakuda, has won laurels at the Metamaterial-2019 international conference held in Rome from September 16 to 20.

Under the leadership of research supervisors V.P. Joseph and Fr. Jolly Andrews, research scholars Joe Kizhakkoodan, Nees Paul, Jovia Jose, Anju Sebastian, and postgraduate student Dona Joseph made a special mark in the conference by presenting eight papers out of the eleven from India.

Themes

Development of metamaterial sensors to detect various vibrations, including that of the tremors of an earth-



Research Team of the Christ College, Irinjalakuda, with eminent Metamaterial scientist John Pendry.

quake; metamaterial-based sub wave length high-resolution imaging technique, which may have potential applications in bio-medical fields; innovative introduction of conducting polymers and thin films into the field

of metamaterials; a novel high-accuracy computational technique for analysing metamedium; and exploring the possibility of the real-time simultaneous working of various wireless communications using meta-in-

spired structures were some of the major scientific findings presented by the research team of the Christ College.

Journals

Some of the works like the development of a novel featherlight horn antenna for communication and astronomical purposes; a metamaterial-based quick and efficient dielectric measurement technique; a meta-inspired direct modulation technique; a humidity-sensitive microwave absorber; development of flexible metamaterial structure; and topological innovations of novel meta molecules were published in acclaimed scientific journals of Wiley, Springer, AIP, IOP, IEEE, and PIER, according to sources.



Book: Trees of Mangadikunnu



Book: Quantum Mechanics



Book: Mechanics II



ണ്ടും. ജോജി ചന്ദ്രശേഖരൻ
അധ്യക്ഷത വഹിക്കും.

പ്രകാശനം ചെയ്തു

ഇരിങ്ങാലക്കുട • ക്രൈസ്റ്റ് കോളജിലെ വൈസ് പ്രിൻസിപ്പൽ ഡോ. കെ.വൈ.ഷാജു രചിച്ച 'കാണ്ടം മെക്കാനിക്സ്' എന്ന പുസ്തകം പ്രിൻസിപ്പൽ ഫാ. ഡോ.ജോളി ആൻഡ്രൂസ് പ്രകാശനം ചെയ്തു. തൃശൂർ സെന്റ് തോമസ് കോളജ് ഫിസിക്സ് വിഭാഗം മേധാവി പ്രഫ.പി.എം.ജോയ് ആദ്യപ്രതി ഏറ്റുവാങ്ങി. പ്രഫ.സന്തോഷ് പി.ജോസ്, ഡോ.എഡിൻ ജോസ് എന്നിവർ പ്രസംഗിച്ചു.