

Accolade Chronicles



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

CHRIST University, Bangalore, India

VOL: 1 | ISSUE: 2

Issue: November 2023



Editorial

Welcome to the second issue of "Accolades Chronicles," the University Newsletter dedicated to celebrating the remarkable achievements and contributions of our esteemed Faculty members. We are honoured to share with you the extraordinary journey of our faculty and the outstanding developments within our academic community during September and October 2023. In this issue, we proudly spotlight the collective efforts of our Faculty Team in embracing the visionary path set forth by the Vice-Chancellor. We have witnessed a remarkable commitment to enriching the university's core values, focusing on organisational culture, teaching-learning and assessment, impactful research, and community engagement. The strides made in these areas have been impressive.

One of the most significant indicators of our progress is the substantial increase in the quality and quantity of research paper publications and books by our Faculty. For the current year, 2023, we have a total of 1185 Scopus-indexed publications. In October 2023 alone, we had 213 articles indexed in the Scopus database (the average monthly publication for 2022 was 107). This growth in research activity has not only enriched our academic environment but has also extended its influence on our students, nurturing a culture of inquiry and discovery. Moreover, our dedicated faculty members have successfully secured many government-funded research projects, elevating the stature of our institution on the national and international stages.

Another remarkable achievement we take pride in is the increased national and international collaborations our faculty members have initiated. These partnerships have enabled us to harness the collective wisdom of the global academic community and broaden our horizons.

Seven of our professors are honoured by Stanford University's citation analysis for the year 2023. The results, released in October 2023, reveal that these professors rank in the top two percent of the world's best scientists in their respective fields. This achievement is a testament to the depth of expertise and dedication that our faculty members bring to their research and teaching.

Moreover, we are glad to announce that CHRIST has earned a place among the prestigious Times Higher Education (THE) World University Rankings. Being part of this esteemed list is a testament to the consistent progress we are making as an institution and sets a new milestone for our journey.

As the University embarks on the new strategic plan for 2023 to 2026, we extend our heartfelt appreciation to all our faculty members who have dedicated themselves to crafting strategic plans for their schools and departments. Your dedication and vision are integral to our continued success. Let us join hands and work together to fulfill the overarching strategic vision of "Nurturing Excellence, Enriching Lives, Transforming Futures."

In this issue of "Accolades Chronicles," we aim to celebrate the exceptional accomplishments of our Faculty and share our collective pride in their achievements. We hope this publication inspires us all to strive for excellence and look forward to the exciting journey ahead. Thank you for your unwavering support and dedication.

Sincerely,

Editors

Accolades Chronicles

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Journey of Excellence: CHRIST University's Global Ranking

Global university rankings serve as a critical factor in the ever-changing environment of higher education, directing students, researchers, and institutions toward excellence. Times Higher Education meticulously evaluates universities worldwide with a range of subject areas, adopting a rigorous system that encompasses 18 key factors organized into five groups. These characteristics include Teaching (the learning environment), Research Environment (volume, income, and reputation), Research Quality (citation impact, research strength, research excellence, and research influence), International Outlook (staff, students, and research), and Industry Income (knowledge transfer - income and patents).

CHRIST University has been ranked in the five subject areas, namely Physical Sciences, Business and Economics, Social Sciences, Computer Science, and Engineering, among the 11 broad subject areas that Times Higher Education Ranks universities. CHRIST University secured a global rank

between 1201-1500 as a university, yet it excels in specific subjects. In Physical Sciences (mathematics and statistics, physics and astronomy, chemistry, geology, environmental sciences, and earth and marine sciences), the institution shines, securing a prestigious rank between 601-800.

In addition, CHRIST University achieved rankings between 801 and 1000 for subjects such as Business and Economics (business and management, accounting and finance, and economics and econometrics), Social Sciences (communication and media studies, politics and international studies (including development studies), sociology and geography), Computer Science, and Engineering (general engineering, electrical and electronic engineering, mechanical and aerospace engineering, civil engineering, and chemical engineering). This subject-specific achievement demonstrates the university's dedication to academic excellence across all disciplines.

Impressive Strides in Research Publication

In September and October 2023, the University made impressive strides in research publications. In the month of October 2023 alone, 213 articles were indexed in the Scopus database. For the current year, 2023, we have a total number of 1190 Scopus publications (92 more publications and two months to beat last year's record of 1282 publications). **Dr Gurumurthy Hegde, Dr Pradeep G Siddheshwar, Dr Mahanthesh B, Dr Ramesh Chandra Poonia, Dr Debabrata Samanta, Dr Nainesh Kantilal Patel, Dr Anitha Varghese, Dr Praveen N, Dr Pundikala Veerasha, and Dr Suvardhan K** were felicitated on Teacher's day for having 100 and more Scopus Indexed Publications to their credit.



Faculty members with high contributions to research who the Vice Chancellor facilitated on Teachers Day 2023.

Top 2 percentile Most Influential Scientists in 2023

Ten eminent researchers from CHRIST (Deemed to be University) have been recognized in the top 2 percentile of the most widely cited scientists, a remarkable achievement.

Dr Nainesh Kantilal Patel, Dr B. Mahanthesh, Dr Manoj Balachandran, Dr Gurumurthy Hegde, Dr P. Veerasha, Dr Pradeep G Siddheshwar, Dr Clament Sagaya Selvam N, Dr Suvardhan K, Dr Supriya Rej, and Dr Joby Mackolil have achieved this excellent recognition. The report unveils a select group of over 1,00,000 highly cited scientists who have authored a minimum of five significant

scientific papers. The team has classified these scientists into 22 scientific fields and 174 sub-fields in the report. This list has been compiled based on the Scopus database. It provides information on citations, h-index, co-authorship adjusted hm-index, citations for papers in various authorship positions, and a composite indicator (c-score). These exceptional professors have consistently demonstrated their commitment to excellence, pushing the boundaries of knowledge and contributing significantly to their respective fields.



**DR PRADEEP G
SIDDHESHWAR**



**DR GURUMURTHY
HEGDE**



DR MAHANTHESH B



DR PUNDIKALA VEERASHA



**DR NAINESH KANTILAL
PATEL**



DR MANOJ B



DR SUVARDHAN K



DR SUPRIYA REJ



**DR CLAMENT SAGAYA
SELVAM N**



MR JOBY MACKOLIL

External Grants Awarded

Embarking on a journey of innovation and discovery, the faculty at CHRIST University has recently achieved remarkable success in securing research grants from various national and international government bodies and organizations. This contribution is due to their unwavering commitment to advancing knowledge and driving cutting-edge research.



Dr Manoharan N

Dr Manoharan N, Director, Centre for East Asian Studies has been offered a Federal Assistance Award grant of \$19000(USD) for a project titled 'Development of Curriculum on Indo-Pacific' from the United States Department of State. In addition, Dr Manoharan N has received an externally-funded project grant of USD 1,50,000/- for the project titled 'U.S.-India Strategic Partnership' from the Department of State, in collaboration with George Washington University. This project charts new horizons in global relations to further enhance our understanding of international relations.



Dr Gurumurthy Hegde

Dr Gurumurthy Hegde, Director, Centre for Advanced Research and Development (CARD) received the Onion Grand Challenge of ₹ 5,75,000/- for a project titled "Purifying the water using onion waste based carbon nanoparticles" from the Ministry of Consumer Affairs, Govt. of India. This was a part of the Hackathon launched by the Ministry for the Grand Challenge for the development of "Technologies for Primary Processing, Storage and Valorization of Onions". The project holds the potential to revolutionize access to clean and safe drinking water, addressing a critical global need and positively impacting communities worldwide



Dr Clament Sagaya S N

In a significant stride for advancing sustainable energy solutions, **Dr Clament Sagaya Selvam N**, Department of Chemistry, Central Campus, received a Grant of ₹ 29,60,200/- for a project titled "Understanding of Surface Deactivation and Healing Process in Water Oxidation Catalysts for Durable Water Electrolysis Performance" from the Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India.



Dr Partha Kumbhakar

Dr Partha Kumbhakar, faculty member, Department of Physics & Electronics, Central Campus has won a Start-up Research Grant (SRG) of ₹ 23,00,000/- for a project titled "2D Material Based Multi-Responsive Soft Actuators for Bionic Robots" from the Science and Engineering Research Board (SERB), New Delhi.



Dr Sudha Thomas

In pursuit of a deeper societal understanding, **Dr Sudha Thomas** from the School of Social Sciences, Central Campus received a grant of ₹ 16,00,000/- as a Co-Investigator for a project titled "The Role of Pradhan Mantri Mudra Yojana in Availing Easy Access to Credit to Entrepreneurs, its Contribution to Enterprise Development and Economic Growth-Study among Mudra Entrepreneurs in the Aspirational Districts in Four States" from the Indian Council of Social Science Research (ICSSR), New Delhi. The project promises to shed light on the role of credit access in entrepreneurial growth and economic development.



Dr Sreeja Gangadharan P



Dr Manjunatha S

To contribute to the betterment of women's education and empowerment, **Dr Sreeja Gangadharan P** and **Dr Manjunatha S** from the School of Social Sciences, Yeshwantpur Campus have procured a grant of Rs 12,00,000/- for a project titled 'Evaluation of the Impact of Beti Bachao Beti Padhao Scheme in the Select Districts of Haryana' from the Indian Council of Social Science Research (ICSSR), New Delhi.



Dr Halaswamy D, Dr Smitha S, Dr Sriram M, Dr Debora Dhanya A, and Dr Santosh Satyanarayan Baheti

Dr Halaswamy D, Dr Sriram M, Dr Debora Dhanya A, Dr Santosh Satyanarayan Baheti, and Dr Smitha S from the School of Business & Management, Bangalore Kengeri Campus received a grant of Rs 15,00,000/- from the ICSSR, New Delhi to work on this project titled 'Perception of Higher Education Stakeholders towards the Socio-economic Impact of NEP 2020 Initiative: A Case of Deemed-to-be Universities in Karnataka State'. This study will be useful for understanding the socio-economic impact of NEP in deemed universities.



Dr Ravikumar T



Dr Anuradha R



Dr Fr Jobi Xavier



Dr Manikantan P



Dr K A Paari



Dr Shruti Srinivasan



Dr Swarangi Arvikar

In order to develop a deeper understanding of the challenges and opportunities in the digital age, **Dr Ravikumar T, Dr Anuradha R, Dr Shruti Srinivasan, Dr Swarangi Arvikar** from the School of Business and Management, Bangalore Central Campus were jointly offered a grant of Rs 7,00,000/- for a project titled 'Impact of Smartphone and Social Media Usage on the Academic Performance of Higher Education Students in Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Telangana from the Indian Council of Social Science Research (ICSSR), New Delhi.



Dr Nita Thomas



Dr Leena N Fukey



Dr Mallika Sankar M



Dr Jais Merlin P Augustine



Dr Bharath Suresh Kumar



Dr Usha Dinakaran



Dr Zacharia Joseph

Dr Mallika Sankar M, School of Business and Management, **Dr Jais Merlin P Augustine**, School of Arts and Humanities, BGR Campus, and **Dr Bharath Suresh Kumar**, School of Arts and Humanities, Bangalore Central Campus have jointly received a grant of Rs 15,00,000/- for a project titled 'Empowering the Unorganized Sector: Assessing the Impact of Pradhan Mantri Mudra Yojana on Financial Inclusion and Economic Growth in the North East Region of India' from the Indian Council of Social Science Research (ICSSR), New Delhi. This project is specifically designed to address the imperative task of fostering economic inclusion in the North East Region of India, catering to the region's unique requirements and challenges.

The National Education Policy paves the way for a transformative and inclusive education system, fostering holistic development and lifelong learning for all. The inception of the National Education Policy (NEP) 2020 has transformed the structure of Indian education. To understand the socio-economic impact of NEP in deemed universities across Karnataka, **Dr Nita Thomas, Dr Leena N Fukey, Dr Usha Dinakaran**, and **Dr Zacharia Joseph** jointly received a grant of Rs 15,00,000/- for a project titled 'Perception of Higher Education Stakeholders towards the Socio-economic Impact of NEP 2020 Initiative: A Case of Deemed-to-be Universities in Karnataka State' from the Indian Council of Social Science Research (ICSSR), New Delhi.

Awards

In the world of fast-paced academia, recognition for exceptional research is a well-deserved honor, and our esteemed faculty members have been shining brightly in this regard. With their dedication to pushing the boundaries of knowledge and innovation, they have garnered a series of prestigious awards and accolades.



Dr Anitha Varghese

Dr Anitha Varghese, HoD, Department of Chemistry, has made it to the "She is-75 Women in Chemistry" list by the office of Principal Scientific Adviser, Govt. of India and Royal Society of Chemistry. This is featured in the 4th Edition of the Book 'SHE IS'... Dr Anitha is one of the very few from non-IIT, non-central research institutions and professors who made it to the list.



Dr Leena James

Dr Leena James, Professor at the School of Business and Management (SBM), has been awarded the 'Sustainability Youth Leadership Award for Inspiring Leadership and Exemplary commitment'. This was conferred upon her during the 16th Global Peace Summit held in Sri Lanka by the former President of Sri Lanka, Mr. Maithripala Sirisena, along with Dr Rajapakshe, the Minister of Justice of Sri Lanka.



Dr Jayasankara Reddy K

Dr Jayasankara Reddy K, Associate Dean, School of Social Sciences, Bangalore Central Campus was selected for the Careers360 Faculty Research Awards 2023. The criteria for evaluation of awardees mainly included publication counts in journals, citation counts, and h-index. It considered authors working within academic institutions having at least 10 publications.



Dr Jehoson Jireh J

Dr Jehoson Jireh J, from the Department of English and Cultural Studies, Yeshwanthpur Campus has been honoured with the prestigious TOEFL English Language Researcher-Practitioner Award for the year 2024. The research project is titled "Impact of Employing Collaborative Learning Strategies in Enhancing Reading and Writing Performance of TOEFL iBT Aspirants." Dr Jireh is the first Indian scholar to receive this grant since its establishment in 2013.



Ms Jayanthi Bai HL

Ms Jayanthi Bai HL, faculty, School of Law, Central Campus has been honored with the Hugo Grotius International Eminent Teacher Award -2023 in Legal Aid Service on the eve of United Nations Public Service Day 2023, in the International Symposium on the Value and Virtue of Public Service to the community through Education 2023.



Dr Kerwin Savio Nigli



Dr Leena N Fukey



Mr Sachin Wilfred A J

Dr Kerwin Savio Nigli, Dr Leena N Fukey, and Mr Sachin Wilfred A J, Professors of Hotel Management, Central Campus were jointly honoured with the Excellence Award by the Global Chamber of Consumer Rights in recognition of outstanding performance in the field of Higher Education and Research on 30 September 2023 at Bengaluru, Karnataka.



Dr Ummesalma M

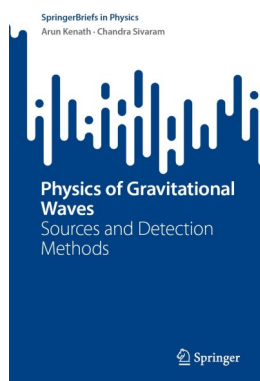
Dr Ummesalma M, Assistant Professor, Statistics and Data Science, Bangalore Central Campus has received the AMP'S 7th National Award for Excellence in Education 2023 on 05 September 2023.



Dr Gurumurthy Hegde

Dr Gurumurthy Hegde, Professor, Department of Chemistry, Bangalore has won the Bronze Award in the 'InTEX23 Expo' held in Malaysia, for the invention/innovation of CouAZO-Sustainable Metal Free Super Capacitor for Liquid Crystal Display and Optical Storage Device.

Major Book Publications



A remarkable addition to our understanding of the cosmic ripples and their impact on the field of physics, **Dr Kenath Arun**, Assistant Professor in the Department of Physics and Electronics at Bangalore Central Campus has authored a book titled 'Physics of Gravitational Waves', which was published in Springer-Nature in May 2023. This book provides a concise introduction to the physics of gravitational waves. It is aimed at graduate-level students and PhD scholars. This book discusses the gravitational wave background produced in typical frequency ranges from such sources emitting over a Hubble time and the fluctuations in the h values measured in the usual devices. Also discussed are the high-frequency thermal background gravitational radiation from hot stellar interiors and newly formed compact objects. The reader will also learn how gravitational waves provide a testing tool for various theories of gravity, i.e. general relativity and extended theories of gravity, and will be the definitive test for general relativity.

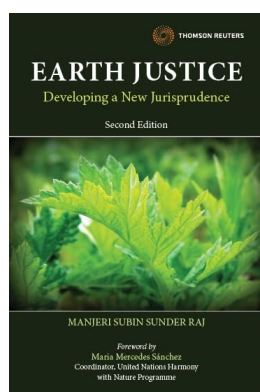
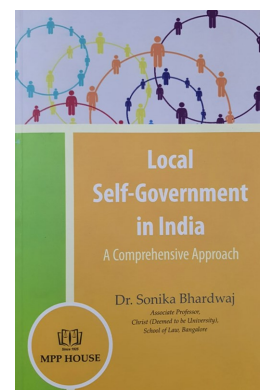


Dr Kenath Arun



Dr Sonika Bhardwaj

Dr Sonika Bhardwaj, Associate Professor in the School of Law has authored a book titled 'Local Self-government in India: A Comprehensive Approach', which was published in MPP House Publishers, Bangalore, offers valuable insights into the crucial aspect of governance and legal studies. This book covers a wide range of topics related to the progress and implementation of local governance following these crucial constitutional amendments. It delves into statutory provisions, offering insightful commentary and citing relevant judgments from the Supreme Court and High Courts.



Dr Manjeri Subin Sunder Raj, School of Law, Central campus published a book - Earth Justice: Developing a New Jurisprudence (2nd Edn), Thomson Reuters, 2023. (ISBN 978-93-95696-10-4) August 2023. This work, marked by its forward-looking approach, promises to be an influential reference in the study of jurisprudence. Earth justice details the need and the necessity to let go of the anthropocentric approach that legal systems, around the world, have followed until very recently. By taking an ecocentric approach. The book aims to revolutionize the way in which people perceive Mother Nature—and themselves—and realize that they are one among many other entities that exist on Earth. By delving into the developments in the field of Earth Jurisprudence, and advocating for an ecocentric legal regime, the book aims to show humans their rightful place.



Dr Manjeri Subin Sunder Raj

Inventions and Innovations

Stylish Compact Electric Kettle



Ar. Shynu Robert

Ar. Shynu Robert from the School of Architecture, Bangalore Kengeri Campus has 7- patents, one of which- Instant Hot Water: A Stylish Compact Electric Kettle was awarded a patent on 28-Feb-2023, marking a stylish and functional addition to the world of electric kettles.

Fish Spoilage Indicator



Dr Vinod T P

The research article of **Dr Vinod T P**, Associate Professor in the Department of Chemistry was featured in the Deccan Herald Newspaper. This work presents a fish spoilage indicator prepared by rub-coating red cabbage onto printing paper. The preparation and usage of this indicator do not require any scientific expertise or laboratory facilities. This research work was published in the peer-reviewed journal Colloids and Surfaces A: Physicochemical and Engineering Aspects (Elsevier, Q1 journal, Impact Factor: 5.2).

New Ring Galaxy Discovered

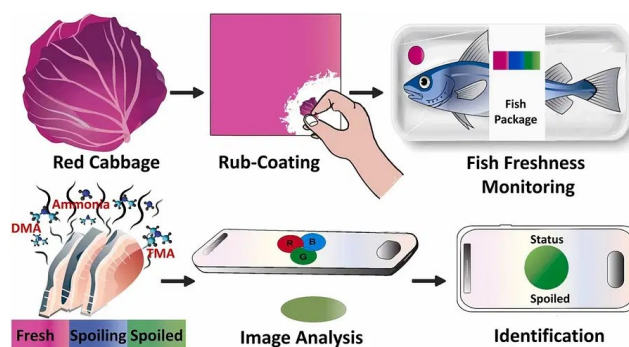


Dr Sreeja S Kartha



Dr Blesson Mathew,

Astronomers from CHRIST University Bangalore India, by analyzing the data from the Dark Energy Camera Legacy Survey (DECaLS), have serendipitously discovered a new ring galaxy, which received the designation DES J024008.08-551047.5 and may belong to the rare class of polar ring galaxies. Efficiently led by **Mr. Krishna R Akhil**, a PhD scholar, the team consisting of **Dr Sreeja S Kartha**, **Dr Blesson Mathew**, and **Mr Robin Thomas** reported their findings in a paper that was published on August 29 on the pre-print server arXiv.



Editorial Board

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