

IQAC

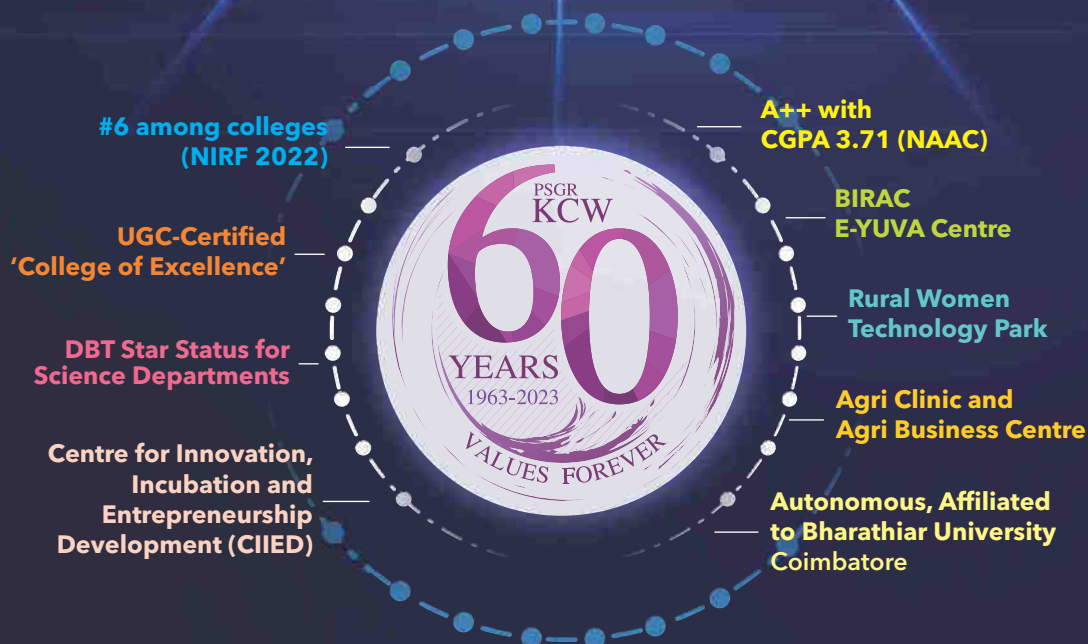
NEWSLETTER

Issue: 18 | May 2023



CELEBRATING WOMEN
SINCE 1963

DRIVEN BY PURPOSE
COMMITTED TO EXCELLENCE



IN THE LEAGUE OF LEGENDS CARRYING FORWARD A 60-YEAR LEGACY

We salute the combined vision of
Shri. G. R. Govindarajulu and Smt. Chandrakanthi Govindarajulu
for envisioning the empowerment of women through education.



Smt. G. Chandrakanthi



Shri. G.R. Govindarajulu



Editor's Desk

It is with a deep sense of pride and felicity that we present to you the annual IQAC newsletter of the academic year 2022-23. Celebrating 60 years of excellence, the Diamond Jubilee of KCW is a momentous occasion that deserves to be highlighted. The founders Shri. G. R. Govindarajulu and Smt. Chandrakanthi Govindarajulu, envisioned a college that would empower women through education, and KCW has stayed true to its motto ever since. The college has been recognized for its quality of education and commitment to social responsibility. KCW has retained its 6th position in the NIRF rankings 2022 and has been accredited by NAAC with an A++ grade, bearing testimony to its continued excellence. In view of the Diamond Jubilee, all the department and club activities are aligned with the United Nations Sustainable Development Goals, which prioritize education, environment, health and safety, women's empowerment, and skill development. The college firmly believes that education must go beyond the mere impartation of knowledge and instil in students a sense of social responsibility. The community outreach programmes organized under the aegis of 'VIRUTCHAM' have been successful in addressing various societal concerns and providing integrated solutions. In the academic year 2022-23, the teaching-learning methods have been constantly upgraded to keep pace with the dynamic landscape of education. The current issue of the IQAC newsletter highlights the activities, accomplishments, research and teaching advancements that have taken place in KCW over the past year. We invite you to dive into the newsletter and witness the calibre and achievements of our students and faculty members. We hope that you enjoy reading our newsletter as much as we enjoyed creating it.

**Happy Reading!
Editors**

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ACCOLADES GALORE: PSGR KRISHNAMMAL COLLEGE FOR WOMEN SHINES IN HIGHER EDUCATION RANKINGS AND AWARDS



- The Government of Tamil Nadu has nominated five Secretaries from self-financing colleges as Members of the Syndicate of Bharathiar University, Coimbatore. Among them, Dr. N. Yesodha Devi, Secretary of PSGR Krishnammal College for Women, Coimbatore, has been appointed as a Member of the Syndicate.
- PSGR Krishnammal College for Women, Coimbatore has been ranked 6th among colleges in India in the National Institutional Ranking Framework (nirf-2022) released by the Ministry of Education, Government of India. The college has retained its 6th position for the second consecutive year.



The Honourable Governor of Tamil Nadu R.N. Ravi, felicitated Dr. S. Nirmala, former Principal of PSGR Krishnammal College for Women, at the Conclave of Excellence in Higher Education in Tamil Nadu, based on the nirf ranking 2022, at Raj Bhavan on 3 August 2022

- On 7 December 2022, the Standing Committee constituted by the University Grants Commission decided to grant extension of Autonomous Status to PSGR Krishnammal College for Women, affiliated to Bharathiar University, Coimbatore. KCW is now set to enjoy the privilege for the next ten years, spanning the period from the academic year 2022-2023 to 2031-2032.
- The Department of Science and Technology has sanctioned an amount of Rs. 57,00,000/- to the PG Science departments of KCW under FIST Level 'A' category (PG Colleges) to boost the research infrastructure.
- On 14 December 2022, ASSOCHAM bestowed upon KCW the Certificate of Excellence for Digital Distinction, in recognition of the institution's adherence to Technology Conformance to NEP.
- In the year 2022, KCW earned the esteemed AA Grade with a remarkable 34th Position and a Special Category Award under the Arts & Science College Category, with the honourable 2nd position, as bestowed by NPTEL.
- KCW has been deemed worthy of the distinguished Future Skills Prime (FSP) Ambassador Award, by Future Skills Prime - a prestigious joint initiative by NASSCOM and the Ministry of Electronics and Information Technology, Government of India.
- The Centre of Excellence for Commerce Professionals (CECP) was inaugurated by Shri. T. Mano Thangaraj, Hon'ble Minister for Information Technology and Digital Services, Government of Tamil Nadu, in the Conclave of Professionals on Emerging Trends in Professional Practices on 11 November 2022.
- PSGR Krishnammal College for Women, Coimbatore won third place in UiPath Citizen Developer RPA SKILL-A-THON 2022, for building 450 Bots. The college was felicitated by the Hon'ble Minister for Information Technology, Thiru T. Mano Thangaraj, during the 50th edition of ICT Academy Bridge 2023, held at Chennai Trade Centre on 14 March 2023.

NEW VENTURES INITIATED TO STRENGTHEN INSTITUTIONAL QUALITY

- Two new programmes launched in 2022-23: B.Sc. Computer Science (Cyber Security) and B.Sc. Beauty and Wellness.
- Coursera integrated into the curriculum to broaden students' access to online courses and certifications.
- Syllabus for all courses aligned with LOCF (Learning Outcome Based Curricular Framework).
- Blended learning introduced in core papers of Semester IV for UG and some PG courses.
- Design Thinking introduced as a foundation course in UG programmes.
- Open Book Exam implemented for Research Methodology.
- AMPLE LMS implemented for assessments and measuring learning outcomes.
- Academia-Industry Immersive Learning Centre - GRG-ELGI Digital Innovation DOJO inaugurated.
- Pre-incubation centre launched under the DBT BIRAC E-YUVA Scheme.
- Residential training programmes conducted under Agri-Clinics and Agri-Business Centres Scheme.
- Centre of Excellence in Life Sciences established to enhance training and collaborative efforts between Botany, Zoology, and Biotechnology departments.
- DBT-BUILDER grant received from the Ministry of Science and Technology, Government of India.

ACADEMIC UPDATES

Academic and Administrative Audit (AAA)



The Academic Audit of all programmes was completed with the respective external subject experts from 10 to 18 October 2022 and the consolidated reports were presented to the Academic and Administrative Audit (AAA) team.

The Academic and Administrative Audit (AAA) was conducted on 5 and 6 December 2022 for a period of three years from 2019-20 to 2021-22. The committee consisted of Dr. V. Manickavasagam, Dean-Faculty of Management (Former Registrar & CoE) & Senior Professor & Head (Retd.), School of Management, Alagappa University, as Chairman and Fr. Dr. Augustine George, Principal, Kristu Jayanthi College, Bengaluru & Dr. Prashant R. Nair, Associate Professor, Amrita School of Computing, Amrita Vishwa Vidyapeetham, Coimbatore, as Members.

ISO Audit: Two internal audits and a surveillance audit was conducted for the academic year 2022-23.

BoS meetings for the academic year 2022-23 were conducted in hybrid mode in the second week of December 2022.

26th Academic Council: The 26th Academic Council meeting was held on 23 August 2022, virtually. The agenda and minutes were placed for the approval of the Governing Body. A total of 80 courses were newly introduced, and 170 courses were modified.

Coursera Launch



Coursera is incorporated into the curriculum from the academic year 2022-23 to enable students to benefit from a wide range of online courses and certifications. It helps students acquire various job-ready skills to meet industry requirements and engage more in independent learning. KCW signed a MoU with the Coursera team headed by Mr. Bipin Shivas, Regional Director. The Special Recognition for Social Impact was awarded by Coursera to our college in the event 'Bold Innovator 2022'.

INDUCTION PROGRAMME TO FOSTER A SENSE OF BELONGING IN COLLEGE

Students' Induction Programme



IQAC organized the Students' Induction Programme from 8 to 11 August 2022. The programme was inaugurated by the Chairperson Dr. R. Nandini, and the Principal welcomed the students. During the programme, the students were given a virtual tour of the campus to familiarize them with the infrastructure and ambiance of the college. The students were also oriented about the facilities, co-curricular activities, and technology usage in online classes.

Faculty Induction Programme



IQAC organized a Faculty Induction Programme for newly recruited faculty members to help them acclimatize to the activities of the college. The programme was conducted for two days, on 25 and 26 August 2022 and an outbound activity was organized on 27 August 2022 at Nilgiris Biosphere Park.

EMPOWERING STUDENT VOICES

Students' Forum Election

KCW Students' Forum Election was held on 24 August 2022 through online mode. The following students were elected as representatives:

President: Ms. C. Preeti Kumari of III B.Sc. Physics (SF)

Vice President: Ms. M. Shalini of III B.A. English Literature (SF)

General Secretary: Ms. S. Boomika of II B.Com. (Aided)

Fine Arts Secretary: Ms. S. S. Sreenithi of III B.Sc. Chemistry

Apart from the above students, 81 students were elected unanimously as Secretaries for various associations.

STUDENTS' FORUM ACTIVITIES

Students' Forum Inauguration



The Inaugural ceremony of the Students' Forum for the academic year was held on 29 September 2022. The Chief Guest of the day was Dr. G.S. Sameeran IAS, District Collector and District Magistrate of Coimbatore. The special Guest of Honour, Mrs. Uma Maheshwari Yuvaraj, Joint Managing Director, Ananya Shelters, Coimbatore, is a proud alumna of KCW. Principal Dr. P. Meena administered the pledge to the newly elected office bearers.

Youth Talks



The Chief Guest Mrs. Kanimozhi Karunanidhi MP, Tuticorin constituency, spoke about the responsibilities of citizens, especially women. This was followed by an open floor discussion during which Mrs. Kanimozhi interacted with students and answered all queries raised by them on 13 October 2022.

Graduation Day



The Graduation Day of KCW was held on 23 November 2022. The Chief Guest of the ceremony Dr. Srivari Chandrasekhar, Secretary to the Government of India, Department of Science and Technology, sent his recorded message to the students. The Guest of Honour Dr. R. Srinivasan, Member Secretary, Tamil Nadu State Council for Science and Technology, delivered the Graduation Address and distributed the degree certificates to the rank holders and other graduates. The new graduates took the pledge administered by Principal Dr. P. Meena.

Police Akka: Project for Safety of Girl Students in Colleges



The Coimbatore Police have introduced a scheme called 'Police Akka' with the aim of providing immediate solutions to various problems faced by college girls. Mrs. Sri Lekha has been appointed as the Woman Police Liaison Officer for the college. She meets the students periodically and is available on call 24/7 for all students.

SPARKLING THROUGH THE DECADES FOUNDERS DAY & DIAMOND JUBILEE CELEBRATIONS



The Founders Day and Diamond Jubilee Celebrations of PSGR Krishnammal College for Women was held on 19 January 2023. The Chief Guest Mr. Dinesh, Executive Vice Chairman of TVS Supply Chain Solutions, Chennai,

delivered the GRG Memorial Lecture. The KCW Future Document was released by Mr. R. Dinesh. Prof. S. Balasubramanian, Director of GRGCAS, highlighted the strategic innovations and skill enhancement techniques to be implemented by the college. As part of the Diamond Jubilee celebrations, the GRG Incubator was launched by the Guest of Honour Mr. J. A. Chowdary, Innovator, Advisor, and Start-up Evangelist from Hyderabad. The GRG Centre of Excellence in Life Sciences was launched by the Chief Guest, Mr. R. Dinesh. Mr. Sundararaj Theodore Baskaran, a Film Historian and Wildlife Conservationist from Bengaluru, was conferred the GRG Memorial Lifetime Achievement Award.



Release of KCW Logo

PSGR Krishnammal College for Women adopted a logo in 2017-18 to reflect its commitment to empowering women since 1963. Over the past five years, the college has made significant strides towards excellence in higher education for women. To reflect its future-oriented aspirations, the college has released a new logo, with KCW (Krishnammal College for Women) as the focus. The new logo features an open book with leaves on top, symbolizing diversity of thought and a willingness to receive knowledge from all sources.



KCW Brand Ambassadors



Ms. Akhila Rajeshwar (aka C. Kalyani) of the Class of 1988 (B.Sc. Maths) from KCW is currently the Executive Director at TiE Chennai. She is also a certified coach of Marshall Goldsmith Stakeholder Centred Coaching, a knowledge philanthropist, and a start-up mentor.



Ms. R. Vimala of the Class of 1998 (B.Sc. Chemistry) from KCW is currently the District Collector and District Magistrate of Kalimpong District, West Bengal. She was earlier the State Project Director of Paschim Banga Samagra Siksha Mission and Paschim Banga Sarva Siksha Mission.

Ms. Geetha Ram of the Class of 1991 (B.Sc. Physics) from KCW started her career as an IT Consultant at AT&T, New Jersey, in 1996. Following this, she served as an IT Developer at Transcendent Technologies, New Jersey, for two years. She then moved on to serve as a Senior Consultant at Morgan Stanley, New York, from 2000 to 2006, and is currently a Vice President.



The GRG Institutions Long Service Award was conferred on 28 staff members who have been with the institution for more than 25 years. Two special awards were conferred on Dr. S. Nirmala, former Principal, and former Controller of Examinations Mrs. Geetha Mukund for their committed service and continuous support to the institution.

FLAGSHIP EVENTS

Collaborating for Collective Success

NODAL TRAINING INSTITUTE (NTI) AGRI-CLINICS AND AGRI-BUSINESS CENTRES SCHEME (AC&ABC)



KCW is recognized as a Nodal Training Institute under the AC&ABC Scheme by the Ministry of Agriculture and Farmers' Welfare, Government of India, in association with NABARD and implemented through MANAGE, Hyderabad. The first batch of 23 trainees received funding of ₹ 5,34,000/- in April-May 2022. Ten trainees became entrepreneurs, and three successful start-ups emerged in sericulture, areca plate processing, and agri-clinic. The beneficiaries receive handholding support, including managerial, technical, and financial consultancy.

BIRAC E-YUVA CENTRE

The BIRAC E-YUVA Programme was launched on 7 October 2022, by Dr. Manish Diwan, Head-Strategy Partnership and Entrepreneurship Development, BIRAC, Department of Biotechnology, New Delhi. The event was presided over by Prof. P. M. Murali, President, Council of Presidents, ABLE India, Chairman - Golden Jubilee Biotech Park for Women Society, Chennai, and Dr. K. Suresh Kumar, Executive Director, PSG-STEP, PSG College of Technology, Coimbatore.



DBT - BUILDER

DBT - BUILDER, a programme approved by the Department of Biotechnology, is awaiting the release of grants. Though the official inception is pending, background research work has started. Ten M.Sc. Botany students worked on their final year projects under the scheme, covering topics such as microRNA targeting, exosomal miRNAs, cross-kingdom transfer, and RNAi-based plant defense.

STUDY IN INDIA



KCW is a partner institute under Study-in-India programme of Ministry of Education, Government of India. For the academic year 2022-23, 14 students from Sri Lanka, Malawi and Tanzania were admitted into different programmes.

TED^xPSGRKCW



The 2nd Edition of TED^x PSGRKCW was organized on 19 November 2022, with the theme 'Being Uncommon'. The speakers of TED^x PSGRKCW 2022 were:

- Ms. Indu Venu, Bharatanatyam Artist, Founder of Vibhavna Foundation, Bengaluru
- Mr. Shrihari Udupa, Independent Director, Triton Valves Ltd., Former Director and Human Capital Leader at PricewaterhouseCoopers (PwC), Bengaluru
- Ms. Sangeetha Sridhar, Former Pilot, Mountaineer and Paratrooper, Coimbatore
- Ms. Parvathy R. Pillai, Student, PSGR Krishnammal College for Women, Coimbatore
- Mr. Farhad Contractor, Water Warrior, Founder of Sambhav Trust, Rajasthan
- Ms. Gowri Sethuram, Applied Indian Arts Advocate, Founder of Indian Shades, Bengaluru
- Mr. Sumanto Chattopadhyay, The English Nut, Mumbai
- Ms. R. Nivedhita, Faculty, PSGR Krishnammal College for Women, Coimbatore
- Ms. Megha Harish, Writer, Bengaluru
- Mr. R. Akshay, Student, Chandrakanti Public School, Coimbatore

CONCLAVE OF PROFESSIONALS



The Department of Commerce held a Conclave of Professionals on **Emerging Trends in Professional Practices** in collaboration with various professional bodies. The event was graced by Shri. T. Mano Thangaraj, Honourable Minister for Information Technology and Digital Services, Government of Tamil Nadu,

and Shri. M. Rathinasamy IRS, Chief Commissioner of Income Tax. The Conclave aims to equip professionals with key skills to keep up with changing trends and strike a balance between academic education and practical skills. It also recognized 60 outstanding alumni professionals for their achievements. At the event, the Centre of Excellence for Commerce Professionals was launched, which is expected to have a lasting impact on professional coaching for students. Shri. T. Mano Thangaraj, Honourable Minister, Information Technology and Digital Services Department, Government of Tamil Nadu inaugurated the centre.

AMR Conclave @ KCW



Raising awareness about Antimicrobial Resistance (AMR) is crucial to combat the global public health threat. It's important to educate the public, healthcare professionals, policymakers, and other stakeholders about the causes, consequences, and prevention of AMR. KCW has started promoting awareness and knowledge about the responsible use of antibiotics throughout the country since National Science Day 2023.

Unnat Bharat Abhiyan Scheme 2.0



The "Solar Power Enabled Smart Irrigation System with Automatic Sun Tracker" project was approved for the Department of Physics as part of the Unnat Bharat Abhiyan Scheme 2.0 Program, which encourages technological innovation. Thennamanallur and Ikkarai Boluvampatti Panchayat Nursery both received the installation of the modest irrigation system. It was inaugurated by Mrs. A. Kalpana, Honourable Mayor of the Coimbatore Municipal Corporation.

The Department of Zoology assembled a solar dryer and taught rural people how to use it under the UBA scheme on 20 August 2022. The project awareness was provided to women self-help groups and the public in the presence of Dr. G.S. Sameeran IAS, the District Collector of Coimbatore.



Purples Day 2023



Purples Day is a day for alumni to reconnect, rediscover and rekindle relationships. Purples Day 2023 saw about 2500 alumni in attendance, and the institution recognized distinguished alumni who made significant achievements in their field. As part of the Diamond Jubilee celebrations, 60 alumni were presented with the Distinguished Alumni Award. Mrs. Sugantha Sampathkumar, Executive Member of the Association, handed over an alumni merit scholarship of 5.1 lakh to the Principal Dr. P.Meena.

Pattimandram



The Department of Tamil - Tholkappiar Tamizhaavu Maiyam organized a debate on 27 October 2022. The topic of the debate was "பெண்களின் முன்னேற்றத்திற்குப் பெரிதும் துணை செய்வது குடும்பமா? சமுதாயமா?" The programme was conducted by popular television pattimandram speaker Mr. S.Raja, Mrs. Bharathi Bhaskar, and their team.

International Conclave - Global Challenges for Women's Participation in STEM Education

The Centre for Women's Studies and the Department of Computational Science and Commerce jointly organized the International Conclave on Global Challenges for Women's Participation in STEM Education on 11 February 2023, as part of the Diamond Jubilee celebrations. The event was graced by Dr. N.R. Alamelu, Principal of Sri Ramakrishna Engineering College, Coimbatore. The resource persons included Dr. Susan M. Shaw from Oregon State University, USA; Dr. Lulu Simon Mahai from the University of Dar es Salam, Tanzania; Dr. Xose Manuel Santos Solla from the University of Santiago de Compostela, Spain; Dr. Laura Pallarés from the University of Santiago de Compostela and Isabel, Spain, and Dr. Latha Parameswaran, Director of Computational Sciences at KCW.



Two Day Diamond Jubilee Mega Book Fair & Book Donation Drive



The Department of History, the NSS Unit of KCW, the General Library, the Department of English Literature (SF), and Yash collaborated to organise a two-day Mega Book Fair and Donation Drive in February 2023. Both used and new books were collected for donation to an adopted school library and prison library.

KCW Trophy



The Department of Physical Education held the KCW Trophy 2023, a state-level inter-school basketball tournament for girls from 6 to 8 February 2023, at the GRG Centenary Sports Arena as part of the Diamond Jubilee celebrations. Dr. R. Nandini, the Chairperson of KCW, inaugurated the tournament, while Mr. V. Balakrishnan IPS, Commissioner of Police, Coimbatore City, was the chief guest for the valedictory on 8 February 2023. Sri. G. Rangaswamy, Managing Trustee of GRG Trust, presided over the valedictory, and Mr. G. Selvaraj JMD - CRI Pumps Private Limited, Coimbatore, was the guest of honour. The students were awarded trophies, cash prize, medals, and certificates.

Karishma-23 : Inter-college Cultural Fete 2023

KCW hosted 'Karishma - 23', a cultural event on 11 March 2023. Over fifty colleges and eight hundred participants from the state participated in the event. Mr. Sridhar Sena, the title winner of Super Singer Season 8, was the Chief Guest, and Ms. Shilpa Nair, a television artist and alumna of the college, was the Guest of Honour at the valediction. The event provided a platform for students to showcase their talents and skills in various on-and off-stage events.



REVOLUTIONIZING THE FUTURE: BOLD INNOVATIONS IN RESEARCH AND ENTREPRENEURSHIP

Centre of Excellence in Life Sciences



KCW has made significant contributions to the life sciences through its Botany, Zoology, and Biotechnology departments. These departments have played a crucial role in promoting research and bio-entrepreneurship among students and researchers through flagship programmes such as DBT-BUILDER and BIRAC E-YUVA Centre. To further strengthen their impact and promote the exchange of scientific knowledge and innovation in the bio-economy, the Botany, Zoology, and Biotechnology departments have been converged and declared as 'Centre of Excellence in Life Sciences.' The centre aims to train the next generation of scientists and healthcare professionals by offering educational and training programmes.

GRG Incubator

The GRG Trust has established a centre to empower women to lead start-ups in biotechnology, sustainability, IT & ITES, and food industries. This centre provides mentorship and tools to foster the growth and development of start-ups, with the goal of accelerating and establishing their businesses. It offers cutting-edge technology and world-class mentorship programmes to support existing businesses and aspiring entrepreneurs in fostering product and service innovations.

GRG-ELGi Digital Innovation Dojo



The GRG-ELGi Digital Innovation Dojo is an academic-industry collaboration aimed at providing students with a unique learning experience that combines theoretical knowledge with practical exposure to industry practices. This initiative is the result of a longstanding partnership between our institution and ELGi, marking a new dimension in our industry-academia collaboration. The Dojo was established on our campus on September 21, 2022, with students working under the guidance of a mentor from ELGi and a mentor from our college. This collaboration provides students with better career opportunities in industry. At the valedictory ceremony, Ms. J. Julie Kiruba, Ms. G. R. Gowshika, and Ms. S. Pooja, students from the III B.Com. (Business Analytics) were awarded the 'Best Performer Award' for their project on 'Power-BI with Fintech' completed as part of the GRG-ELGi Digital Innovation Dojo.

Centre for Innovation, Incubation & Entrepreneurship Development (CIIED)

Dr. N. Priyadharsini, Assistant Professor of Physics, conducted an Entrepreneurship Awareness Programme on 14 and 22 September 2022. A motivational session was led by Ms. Anitha Rajalakshmi, Director of Greenaver Pvt. Ltd., R.S. Puram, Coimbatore, on 16 November 2022, featuring successful innovators. On 21 November 2022, the ED Cell and IIC organized a session on 'How to Overcome the Challenges Faced in Becoming an Entrepreneur', with a motivational speech delivered by Mr. S. Gowtham, Co-founder and Managing Director of Green Delight Innovations Pvt. Ltd.



A meeting of Quarter Plans I and II was held on 10 January 2023, to upgrade the IIC Council at the institute level. The external members present were Dr. R. Ranjith Kumar, Chief Scientific Officer of Viyen Biotech LLP, Coimbatore, and Ms. Mayukha Selvaraj, Founder & CEO of Maylancer Techios Pvt.Ltd.

Idea Hackathon



The ED Cell and IIC conducted the preliminary round of the Idea Hackathon on 21 January 2023, with 38 teams (each consisting of 5 members). The final round of the Idea Hackathon was held on 25 January 2023.

QUALITY QUEST: ACTIVITIES FOR ACADEMIC EXCELLENCE

IQAC Activities

The Internal Quality Assurance Cell conducted an Awareness Programme on Intellectual Property Rights through online mode on 21 July 2022. The lecture was delivered by the Patent Office, Kolkata, Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce & Industry.

A week-long Faculty Development Programme on Stress Management was organized by the Internal Quality Assurance Cell from 10 to 18 October 2022. The programme aimed to provide effective ways to manage stress, anxiety, and depression and the resource persons included Mrs. K. S. Paviyazhini, Assistant Professor of Psychology at KCW, Mr. V. Gobinath, Assistant Professor of Psychology at KCW, Mr. K. R. Damotharan, Faculty, Art of Living, Mrs. Subhashini, Member Heartfulness, Coimbatore, Mr. Saju Krishnan, Gym Trainer, Mr. Akhilesh, Zumba Trainer, and Mr. S. Jeladharan Nair, Yoga Trainer at KCW. The programme aimed to create awareness about the importance of physical and mental well-being.

FDP on Design Thinking



The IQAC conducted a Two Day Faculty Development Programme on Design Thinking on 8 and 9 November 2022. The objective was to train faculty members on the phases of design thinking and how to incorporate it into their teaching practices. Four resource persons from the college, Mr. V. Gobinath, Assistant Professor of Psychology, Dr. G. Sasikala, Assistant Professor of Zoology, Dr. N. V. Kavitha, Assistant Professor of Economics and Dr. L. Prabha, Assistant Professor of Commerce with Professional Accounting, who were previously trained by experts, led the programme. It was a train-the-trainer programme, with 100 faculty members from various streams participating.

On 10 November 2022, the IQAC organized an FDP on Research Methodology as an Open Book Exam. The programme featured three resource persons, including Dr. M. Sethumadhavan, Head of Cyber Security at Amrita University; Dr. R. Krishnan, former Scientist at DRDO, and Dr. Amit Agarwal, Professor of Electronics and Electrical Engineering at Amrita University.

NAAC Sponsored Two Day International Conference



The Internal Quality Assurance Cell of KCW organized a two-day international conference sponsored by NAAC, titled 'Designing New Pedagogies in Higher Education: A Driving Force to Achieve Sustainable Development Goals,' on 27 and 28 January 2023. The inaugural address was delivered by Dr. V. Kovaichelvan, the Director of TVS Institute for Quality and Leadership (TVS IQL) at TVS Motor Company in Bangalore, Karnataka. The keynote address was delivered by Professor K. Ramachandran, a senior advisor for the Unit for International Cooperation at the National Institute of Educational Planning and Administration (NIEPA), New Delhi.

The technical sessions were handled by a range of experts in their fields, including Dr. Ravi Thirumalaisamy, Assistant Professor, Department of Business and Economics at the Modern College of Business in the Sultanate of

Oman, Dr. Prashant R. Nair, Vice-Chairman of the Internal Quality Assurance Cell (IQAC) at Amrita Vishwa Vidyapeetham (Deemed-to-be-University), Coimbatore, Prof. Raja Shekar Bellamkonda from the School of Management Studies and former Pro Vice Chancellor at the University of Hyderabad, Telangana, Ms. Priya Narayanan, Assistant Adviser at the National Assessment and Accreditation Council (NAAC) in Bengaluru, Karnataka, Dr. Joshua Earnest, former Professor and Head of the Department of Electrical Engineering and former Dean of Planning and Monitoring at NITTR Bhopal, Madhya Pradesh and Dr. A. Tamilarasu, Professor (AP) in Accounting, Department of Cooperatives (CBE) at the College of Business and Economics at Ambo University in Ethiopia, East Africa. The valedictory address was delivered by Dr. M. Jayakumar, Consultant at TATA Electronics and former Dean of Education at Bharathiar University, Coimbatore.

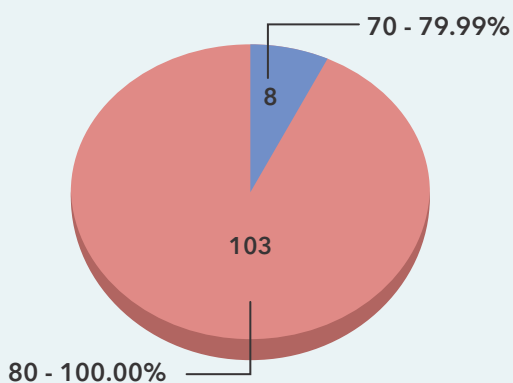
FEEDBACK

STUDENTS' FEEDBACK REPORT ON TEACHING-LEARNING PROCESS

Based on feedback analysis, it has been found that the majority of faculty members have scored between 80-100 grade points, indicating a top level of performance.

Aided Overall College Performance

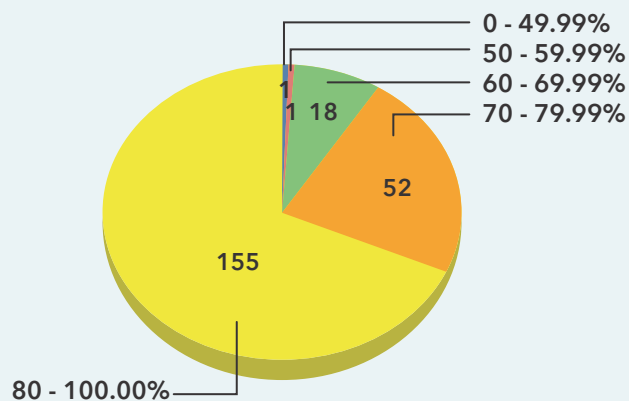
Marks / Faculty



70 - 79.99%	8	7.2%
80 - 100.00%	103	92.8%
Total:	111	100.0%

Self-Financing Overall College Performance

Marks / Faculty



0 - 49.99%	1	0.4%
50 - 59.99%	1	0.4%
60 - 69.99%	18	7.9%
70 - 79.99%	52	22.9%
80 - 100.00%	155	68.3%
Total:	227	100.0%

- 76.3% of faculty members fall into the category of 80-100 grade points
- 17.8% of faculty members fall into the category of 70-79.9 grade points
- 5.3% of faculty members fall into the category of 60-69.9 grade points
- 0.6% of faculty members fall into the category of below 60 grade point range

BEST DEPARTMENT AND BEST FACULTY AWARDS

Every year, the management honours the best performing departments based on various criteria such as admission, results, research strength, publications, projects, MoUs, staff academic positions, placements, etc.

Top performing departments are selected from the Aided & SF categories:

Aided Departments:

- I Chemistry & Physics (more than 1650 points)
- II Botany (1065 points)
- III Commerce (942 points)

Self-Financing Departments:

- I Computer Science UG (807 points)
- II Commerce Professional Accounting (494 points)
- III Commerce (AF&BA) & Commerce SF & e-Commerce (435 points)

25 faculty members were honoured with the Best Faculty Award for their contribution in academics, research and extension activities.

EXPLORING THE WORLD AND EXPANDING HORIZONS THROUGH INTERNATIONAL PROGRAMMES

Participation in International Summer Programmes



Students participated in the Global Immersion Programme at James Cook University, Singapore and the Global Summer School held at Nottingham Trent University, UK.

Students enrolled in online programmes offered by CETYS Universidad, Mexico, including Industry 4.0, Supply Chain Management, and Business Intelligence.

New Collaborative Partnerships:



- Asia Pacific University, Kuala Lumpur, Malaysia - MoU signed on 11 January 2023
- Binghamton University representatives Dean Srihari Krishnaswami and Assistant Dean Elizabeth Kradjian visited the campus on 11 August 2022, to explore potential collaboration
- Binghamton University, Binghamton, USA - MoU signed on 20 February 2023

Education Fairs

KCW participated in education fairs, including the SII Education Fairs in Dhaka and Chittagong, Bangladesh, in July 2022, and the Education Fairs conducted by ICSK-IIK of Kuwait in December 2022. KCW was represented by Dr.G.B.Sabari Rajan, Associate Professor, GRGSMs; Dr. M. Jayamala, Assistant Professor, Women's Studies; and Dr. C. Sharmila, HoD Physics(SF).

Study in India

Study in India (SII) organized a promotion event for partner institutions during the UIA Hackathon held from 22 to 25 November 2022, at Gautam Buddha University, Greater Noida, UP. KCW was represented at the event by Dr. G.B.Sabari Rajan, Associate Professor, GRGSMs, Dr. M. Jayamala, Assistant Professor, Women's Studies, and Dr. G.Sophia Reena, Assistant Professor and Head, Department of IT.

DEPARTMENT ACTIVITIES FOR KNOWLEDGE EXPANSION

International Conference

The Departments of English, Economics, and History, in collaboration with Nilgiris Adivasi Welfare Association (NAWA), organized an **International Hybrid Conference on Sustainable Tribal Development** on 21 March 2023. The conference aimed to address the prominent issues and challenges encountered by the tribal community and contribute towards their upliftment by preserving their distinctive identities and culture, ensuring equal chances of education, health, and livelihood for them.



The Department of Physics conducted a two-day **International Conference on Optics and Photonics Technology (ICOPT-23)** sponsored by DST SERB on 2 and 3 February 2023 in association with the Optical Society of India.

The Department of Mathematics organized a **Two Day International Conference on Mathematical Analysis in Computational Biology and Data Science** from 24 to 25 January 2023. Dr. Pranay Goel, IISER Pune, delivered the inaugural address, and various resource persons, including Dr. Vidit Nanda, Dr. Ganesh Neelakanda Iyer, Dr. Elango Panchadcharam, Dr. Balram Dubey, Dr. P.G. Patil, and Dr. Shyam Diwakar, were invited to share their expertise.

National Conference

The Department of Business Administration organized a National Conference on **Women Empowerment and Equality towards an Equitable Future: A Key for Economic Development** on 14 October 2022. Ms. Kanchan Dwivedi, Founder of Loan Gini, Bengaluru, Ms. Amudha Chinnaswamy, Assistant Vice President and Global Tech Community Leader at Cognizant, Ms. Karon Shaiva, Chief Impact Officer and Managing Director of IDOBRO and Managing Trustee of the RISE Infinity Foundation, Mumbai, Ms. Hershita Pant, Deputy Manager at the National Institute of Securities Market, Mumbai, and Ms. N.V. Sreejaya, Advocate in India and Solicitor in England & Wales were the resource persons of the conference.



University), Bengaluru inaugurated the conference and released the souvenir. Mr. N. Karthikeyan, Advocate, Madras High Court, Chennai & Mr. Dinesh Paranthagan, CEO & Founder, Hackup Technology and other guest speakers shared their knowledge and experiences about Cyber-crimes and cyber laws in India.

The Department of Biotechnology conducted a National Conference on **Advances in Biotechnology** on 15 November 2022. The resource persons were Dr. Chitra Thangavel, Scientist, Ganga Orthopaedic Research and Education Research, Coimbatore; Prof. R. Sowdhamini, Distinguished Professor, Institute of Bioinformatics and Applied Biotechnology, Bangalore; Dr. Shankar Esaki Muthu, Associate Professor & Head, Department of Life Sciences, Central University of Tamil Nadu, Thiruvarur and Dr. R. Sathish Kumar, Professor and Head, Department of Biotechnology, Bharathiar University, Coimbatore.

The Department of Computational Science organized a National Conference on **Digital Forensics and Cybersecurity for Society** on 19 and 20 October 2022. The Guest of Honour Dr. Ajay Sriram Kushwaha, Associate Professor, Jain (Deemed-to-be-

Science Academies' Lecture Workshop

The Department of Botany organised the Science Academies' Lecture Workshop on **Recent Trends in Microbiology** on 10 and 11 January 2023. The Resource Persons were Dr. D. J. Bagyaraj, NASI Honorary Scientist and Chairman, Centre for Natural Biological Resources and Community Development, Bengaluru; Dr. T.K. Adhya, Director, South Asia Nitrogen Centre, New Delhi, Co-Director (Science) UKRI-GCRF, South Asia Nitrogen Hub & Professor, School of Biotechnology, Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha; Dr. H. Prathap Kumar Shetty, Professor, Department of Food Science and Technology, School of Life Sciences, Pondicherry University, Pondicherry and Dr. Dipshikha Chakravorty, Associate Professor, Centre for Infectious Diseases Research (CIDR), Department of Micro Biology and Cell Biology (MCB), Indian Institute of Science (IISc), Bengaluru.

DST FIST Sponsored Workshop

DST FIST sponsored a workshop on **Food and Nutrition** that was conducted on 28 February 2023. Prof. C.A. Kalpana, Deputy Dean, School of Home Science, Professor in Food & Nutrition, Avinashilingam Institute for Home Science & Higher Education for Women and Dr. T. Jothimani, Assistant Professor, Department of Psychology, PSG College of Arts & Science, were the resource persons.

SERB Sponsored National Level Workshop

A SERB-sponsored National Level Workshop on **Electro-analytical Techniques and their Applications** was conducted by the Department of Chemistry on 18 and 19 November 2022. The resource persons were Dr. J. Mathiyarasu, Chief Scientist, Dr. V. Ganesh, Senior Principal Scientist, Dr. K. Giribabu, Scientist, and Dr. C. Jeyabharathi, Scientist, from the CSIR-Central Electrochemical Research Institute, Karaikudi.

COMMUNITY CONNECT: ENGAGE, EMPOWER AND ELEVATE

Lions Club Inauguration

Lions Club of Coimbatore KCW Charter Presentation & Installation was held on 26 September 2022. The meeting was called to order by President Lion V. G. Joseph, LC of CBE Industrial Estate. New members were inducted by PMJF President A. Natarajan. PMJF Sarathamani Palaniswamy installed the new office bearers.



Inauguration of National Service Scheme



The NSS Inauguration and Orientation was held on 7 October 2022. The chief guest was Dr. R. Annadurai, NSS Programme Coordinator i/c, Bharathiar University. The appreciation certificates were awarded to the NSS leaders of the previous year.

Chess Olympiad Inauguration



The NSS volunteers of KCW participated in the Chess Olympiad Inauguration. The torch relay for the 44th Chess Olympiad, which began in Chennai, arrived in Coimbatore on 25 July 2022, and was received by senior Tamil Nadu ministers. State Ministers V Senthil Balaji, S Muthusamy, MP Saminathan, and K Ramachandran handed over the 44th Chess Olympiad model torch to representatives from 16 districts. Our volunteers helped organize the event.

National Adventure Camp



NSS volunteer Ms. S. Harini Prasuna from II B.A. English Literature took part in the National Level Adventure Camp that was conducted from 6 to 15 November 2022, by the Atal Bihari Vajpayee Institute of Mountaineering in Narkanda, Himachal Pradesh.

Republic Day Parade

NSS volunteer Sanjitha S. of II B.Sc. Food Processing and Technology participated in the National Republic Day Parade Camp, 2023, in New Delhi from 1 to 31 January 2023.



NSS Special Camp



The Special Camp was organized by NSS along with the Lions Club of KCW from 15 to 21 March 2023, at the adopted villages -Vellanaipatti, Kaikolampalayam, Aandakkapalayam and Serayampalayam. Five computers were donated to the Government School in the village.

National Cadet Corps



CUO Bhavya B. and Cpl Sastegaa participated in the Ek Bharat Shreshth Bharat Camp at Jammu and Kashmir from 15 to 25 July 2022



CUO S. Jeevitha participated in the Republic Day contingent at MRDC January 2023

Blood Donation Camp

Blood Donation Camp was organized by YRC, NSS, and the Lions Club of Coimbatore on 30 January 2023. Dr. Nivetha and Dr. Narayana Moorthy Ganesh, house surgeons from Coimbatore Medical College Hospital, Coimbatore, presided over the blood donation camp. Lion Gregory Joseph from the Lions Club of SIDCO Industrial Estate encouraged the students to donate blood.



First Aid Training Programme

A first aid demonstration and awareness programme was conducted by YRC on 12 October 2022. The students got a clear idea about how to give first aid [CPR, management of choking and bleeding, BLS, and bone fractures].



Uravukku Uyir Kodupom - A Premarital Guidance Programme



The Rotaract Club of KCW organized Uravukku Uyir Kodupom, a premarital guidance programme, along with the Rotary Club of Coimbatore East. Mr. A. Rathinasamy, Founder and Chief Mentor of the Youth Help Foundation, spoke on the psychological differences. Dr. S. Swathanthira Devi, MD (Acupuncture), Sri Hari Wellness Centre, Coimbatore, educated the audience about the physiological changes in women.

Mega Tree Plantation Drive



The Eco Watch Club conducted a mega-planting ceremony and environmental awareness programme called Mullaivanam Botanical Garden. The tree plantation drive was conducted on 19 September 2022, in Sangoripalayam, Kodangipalayam, and Kothumutipalayam. The Eco-Watch Club, in collaboration with the NGOs SPARK and ISKCON, organized a Mega Tree Plantation Drive on 24 and 25 November 2022, inside the campus. Tree saplings of native varieties were distributed to all the college students who were insisted to plant them.

YUVA PATHFINDER 2022

PATHFINDER Workshop 2022 was organized as a key event for the year 2022 on 23 August 2022. The chairs, co-chairs, and EC members of various Yuva partner institutions from other colleges participated. Yi chapter members from industry—Mrs. Vaishnavi Janani, COO of Trinetra Wireless; Mr. Ashwin Manohar, CEO of Associated Engineering Traders; and Mr. S. Shrikumaravelu, Managing Partner at Tekmak Industrials—helped the students break the ice by sharing their experiences and playing management games.

Mass Yoga Demonstration



A mass yoga demonstration took place in the Golden Jubilee Auditorium on 11 August 2022. Yoga Club members performed various asanas.

International Day of Rural Women



The Centre for Women's Studies of KCW observed the International Day of Rural Women on 15 October 2022. This year's theme is 'Rural Women Cultivating Good Food for All'. Dr. Kamaleveni, Assistant Professor, Department of Women's Studies, Bharathiar University, Coimbatore, addressed the audience. Ms. Prana Vijay, CEO of the HERD organization created awareness on gender abuse, and Dr. A. Akilandeswari, Assistant Professor, Department of Tamil, KCW, who is also an administrator in the Rural Women Technology Park, addressed the social immersion of RWTP for rural women's development.

International Day of the Elderly

International Day of the Elderly 2022 was celebrated on 20 October 2023. The programme was organized by the Regional Centre for Geriatric Care, Centre for Women's Studies and Lions Club of KCW. In this event, 400 students and 56 elderly persons from the Old Age Home participated. Mr. Fernando Ethlbert, psychologist at Ahal Hospital, Coimbatore, addressed the elderly and gave insight on stress relief mechanisms, clean and healthy habits, quality food intake, and exercise to lead a normal and peaceful life.

Mass Hair Donation Camp

Mass Hair Donation Camp was organized by the Well-being Campaigner's Club and B.Voc. Beauty Therapy and Aesthetics along with the Coimbatore Hair Donation Centre. By organizing a mass hair donation camp, awareness about the psycho-oncological services was created. The programme had a positive impact on the participants.

Awareness Programme on Various Government Schemes for Women Development



An awareness programme on various government schemes for women's development was organized on 26 August 2022. Shri. N. David Vijayakumar, Regional Manager, Tamil Nadu Grama Bank, Coimbatore, felicitated the women who

have completed entrepreneurship training in the Rural Women Technology Park, Annur. The participants were briefed about various government schemes. Students spread awareness among various people in their surroundings, and they have enrolled around 100 people in various schemes.

Awareness Programme on Food Safety

Consumer Club organized an Awareness Programme on Food Safety for high school and college students on 22 February 2023. Mr. Kavi Tamilselvan, Secretary, Consumer Association of Tamil Nadu, created awareness to identify genuine and adulterated items in daily-use food items and guided the students to complain about adulterated food items to the concerned authority.

Awareness Programme - Healthy Food Practice



The Health Care Club was inaugurated by Dr. Pradeep V. Krishnakumar, City Health Officer, Coimbatore Corporation, on 9 September 2022. The chief guest sensitized the students about traditional choices for a healthy life. Health Care Club conducted an awareness programme on 'Healthy Food Practices for a Healthy Lifestyle' on World Food Day, 17 October 2022. Dr.S.Vijiyalakshmi, M.D. (Acu), Dnys. Healing Therapy Specialist, Viruksha's Academy & Acupuncture Centre, Coimbatore, was the chief guest.

Road Safety Awareness Programme



Uyir Club of our college organised a One Week Road Safety Awareness Programme from 10 to 14 October 2022 near KCW Signal. With the support of the Tamil Nadu Police Department, Uyir Club volunteers along with Club Coordinator Dr. N. Gayathri enthusiastically participated and created road safety awareness for the public.



The Uyir Club of our college organized a guest lecture on traffic awareness for the college students on 23 December 2022. Mr. Sekar, Assistant Commissioner of Police, Coimbatore City, and Mr. K. Jeevanandam, Assistant Engineer, Trainer in Road Safety Awareness, delivered lectures on Traffic Rules.

Walk Back to Innocence - A Backathon



The MASOOM Project's Walk Back to Innocence - Backathon 2022 was held on 15 November 2022, and it was arranged by the Young Indians Coimbatore Chapter and CII. Students from the Yuva Club took part in the event and walked backward to raise consciousness of child safety. KCW received a memento for participating in the awareness exercise from the honourable District Collector, Dr. G. S. Sameeran IAS.



Yuva-Young Indians (CII) presented the Coimbatore Vizha Shield 2023 as recognition for organizing an Intercollegiate Product & Idea Expo - Zest on Innovation & Design Thinking.

REMARKABLE SPORTS ACHIEVEMENTS

During the academic year 2022-23 the sports team has participated in 145 tournaments at District, State, National and International levels.

The team has bagged: 57 Gold Medals | 46 Silver Medals | 25 Bronze Medals in all levels

OUTSTANDING YOUNG SPORTS ACHIEVERS OF KCW

- Ms. Nivedhitha V Nair, a student of I MBA, represented Tamil Nadu and won a bronze medal in the 65th National Shooting Championship Competitions (NSSC) held in Bhopal. She once again represented Tamil Nadu and won another bronze medal in the 25-meter pistol event held in Delhi. Additionally, she represented India and achieved 5th place in the 25-meter pistol event during the ISSF World Cup 2023, held in Egypt.
- Ms. C. Akarshanasri of II B.Com represented Tamil Nadu and won a bronze medal in taekwondo (U 46 kg) in the 3rd Mt. Everest International Open Taekwondo Championships 2022 held in Nepal.
- Ms. M. Olimba Steffi of III BBA BPM represented Tamil Nadu and won a gold medal in the 4 x 400 relay at the 36th National Games held in Gujarat. She won a bronze medal in the 4 x 400 mixed relay at the 61st Open National Athletic Championship held in Bangalore. Steffi bagged a gold and silver medal in the 400 meter relay and 400 meter hurdles at the 2nd Indian Open U-23 Athletics Champions 2022 held at Bilaspur, Chhattisgarh.



- Ms. R. Vergin of I MBA represented Tamil Nadu and won the Silver Medal in Wushu - Double Weapon in the 31st Senior National Wushu Championship held in Jammu and Kashmir. She represented Bharathiar University and won the silver medal in Wushu (Nanquan Type) and the bronze medal in Wushu (Double Weapon) in the All India Inter University Wushu Championship held in Punjab.
- Ms. L. Jyothsna of I B.Sc. C.S. (AI) represented Tamil Nadu and won the Best Women's Award in Chess in the All India Open Rapid FIDE Rated Chess Tournament held at Coimbatore.

SHINING STARS OF KCW: CELEBRATING FACULTY ACHIEVEMENTS



Captain Dr. Kavitha N.V. attended the final NCC Refresher course from 30 January to 18 February 2023 at the NCC Officers Training Academy in Gwalior. She was awarded the Excellence in Planning and Organisation of NCC Camps by Brigadier Vinay Mohan Sharma, Commandant of the NCC Officers Training Academy, Gwalior. Capt. Kavitha will shortly be promoted and will bear the rank of Major Dr. N.V. Kavitha.



NSS Programme Officer Dr. K. Suguna, Assistant Professor of History, was nominated as an Advisory Committee Member for the NSS Cell of Bharathiar University for the organization of the National Integration Camp 2022. She also received an award at Bharathiar University on 15 August 2022 for her dedicated service in NSS.

Dr. V. Padmavathy, Head, Department of Hindi, participated in the 12th World Hindi Conference in Fiji on 16 February 2023. She has been appointed as an advisory committee member and was on the editorial board of the souvenir.



Dr. C. Gomathy, Assistant Professor of Commerce, received the Best Consumer Club Coordinator award from Citizens Voice Coimbatore on 11 November 2022.



Uyir Club Coordinator Dr. N. Gayathri, Assistant Professor of Tamil, received the Appreciation Award from Thiru.V. Balakrishnan, I.P.S., Commissioner of Police, Coimbatore, for her dedicated service rendered to the community.



Dr. Charumathi Pushparaj, Assistant Professor of Zoology, was awarded The World Academy of Sciences for the Advancement of Science (TWAS) Fellowship for Research and Advanced Training and to visit the College of Natural and Applied Sciences, University of Dar es Salaam, Tanzania from 23 June 2022 to 16 September 2022.



Dr. A. Manopriya, Assistant Professor, Department of Physics, received the Visiting Fellowship for Young Researchers funded by the Ministry of Europe and Foreign Affairs from October 2022 to October 2023 at Institut de Physique de Rennes, Universite de Rennes 1, France.



On 14 March 2023, the 50th edition of ICT Academy Bridge 2023 was held at the Chennai Trade Centre, Chennai. Thiru T. Mano Thangaraj, Hon'ble Minister for Information Technology, Government of Tamil Nadu, conferred Dr. S. Karpagavalli as National Winner and Co-ordinator for enabling the college to secure Third place at the national level in UiPath Citizen Developer RPA SKILL-A-THON 2022.



Mrs. C. Jeevitha, Assistant Professor and Head, Department of French attended a two-week training programme at Alliance Française in Paris from 27 March 2023 to 7 April 2023. The scholarship was offered by Institut français and French Embassy in India.

RESEARCH

GRG Trust projects on-going: **19**. The Trust has sanctioned **13.63 lakhs** for the projects.

Government Funded Projects

S.No.	Name of the Investigator	Title of the Project	Duration	Amount in lakhs	Funding Agency
1	Dr. Kiruthika	In-situ Conservation Activities in Medicinal Plants Conservation Areas: Inventory of Medicinal Plants in Tiruppur and Namakkal Districts	2022-2023	2	SERB
2	Dr. Nithya C	Development of Pseudocapacitive based functional composite electrodes for sodium-ion batteries	2022-25	30	SERB
3	Dr. Thulasipriya B	Performance Analysis of Agritech Startups and the Farmers' Perception - An Analytical Study	2022-23	2.5	ICCSR(Minor)
4	Dr. Charumathi Pushparaj	Autophagy	2022-23	*	The WorldAcademy of Sciences
5	Dr. R. Dhivya	Agri-Clinics and Agri-Business Centres [AC&ABC] Scheme	2021-25	20	National Institute of Agricultural Extension Management
6	Dr. B.S.Chithra Devi	BIRAC E-YUVA Centre	2022-25	266.50	Biotechnology Industry Research Assistance Council (BIRAC)
7	Dr. K.S.Tamilselvi	RRSFP-BUILDER (Level 1)	2021-26	240	DBT

Scopus Indexed Publications from January to December 2022

S.No.	Authors	Document Title	Publication Year	Journal Title	Volume	Issue
1.	K Vidhya, K Praveen Kumar, SPiramanayagam, M Arulkumar, J Balraj, K Jairaman, G Subashini, J Angayarkanni	Evaluation of novel L-histidine-based Schiff base derivatives as microbial-HO inhibitors and their antimicrobial and molecular docking studies	2022	Journal of Molecular Structure	1270	
2.	Rejula, M.J., Amudhini Stephen, S.E.	Weight minimization of a hollow shaft using non-traditional optimization	2022	AIP Conference Proceedings	2670	
3.	Balakrishnan, P.D., Kanchana, P., Arunadevi, N., Rath, N.P., Premkumar, T.	New Guanidinium and Aminoguanidinium Salts of 2-Hydroxypyridine-3-carboxylic acid: Preparation and spectral, structural, thermal, ADMET, biological, and molecular docking studies	2022	Journal of Molecular Structure	1269	
4.	Kamalakshan, K., Swamy, S.K.	The Paradox of Gender Performativity in Winnie-the-Pooh	2022	Boyhood Studies	15	2-Jan
5.	Jebaseelan, V., Raju, K.K.	Protecting MANETs from Black and Gray Hole Attacks Through a Detailed Detection System	2022	International Journal of Intelligent Engineering and Systems	15	6
6.	Suresh, S.N., Puspharaj, C., Subramani, R.	Development of Almond gum/alginate composites to enhance the shelf-life of post-harvest Solanum Lycopersicum L	2022	Food Hydrocolloids for Health	2	
7.	Shanjitha, S., Suvanna, K., Zothanzama, J., Kumar, N.S., Premnath, D., Kirubavathy, S.J.	Crystallization of 1, 4-cyclohexanedicarboxylic acid bridged tetra nuclear Cu(II) complex containing N-N chelating ligand - crystal structure, antimicrobial, antioxidant, cytotoxicity and electrochemical studies	2022	Journal of the Iranian Chemical Society	19	12
8.	Duraisamy, P.D., Paul, S.P.M., Gopalan, P., Paranthaman, S., Angamuthu, A.	A DFT Study of Halogen (F-, Cl-, and Br-) Encapsulated Ga12X12 (X = N, P, and As) Nanocages for Sodium-Ion Batteries	2022	Journal of Inorganic and Organometallic Polymers and Materials	32	11
9.	Sami, J.P., Jayashree, N.	Migration and Oil-Centric Life: A Study on Ghassan Kanafani's Men in the Sun	2022	IAFOR Journal of Literature and Librarianship	11	1
10.	Pan, S., Gayathri, G., Reshma, T.S., Mangamma, G., Prasad, A.K., Das, A.	A sensitive humidity sensor at low pressure with SnO ₂ QDs	2022	Sensors and Actuators A: Physical	346	
11.	Thiruarul, D., Charles, J.W., Lavanya, M., Rajesh, K.B., Jaroszewicz, Z.	Generation of axially splitted ultra-long multiple optical needles/optical tubes using generalized cylindrical vector Bessel Gaussian beam phase modulated by annular Walsh function filter	2022	Optical and Quantum Electronics	54	10
12.	Kanchana, P., Hemapriya, V., Arunadevi, N., Sundari, S.S., Chung, I.-M., Prabakaran, M.	Phytofabrication of silver nanoparticles from Limoniaacidissima leaf extract and their antimicrobial, antioxidant and its anticancer prophecy	2022	Journal of the Indian Chemical Society	99	10
13.	Poonguzhali, R.V., Srimathi, M., Kumar, E.R., Arunadevi, N., Elansary, H.O., Abdelbacki, A.A.A., Abdelmohsen, S.A.M.	Citrus limon assisted green synthesis of MgO nanoparticles: Evaluation of phase, functional groups, surface morphology, thermal stability and colloidal stability	2022	Ceramics International	48	19
14.	Vandamar Poonguzhali, R., Ranjith Kumar, E., Arunadevi, N., Srinivas, C., Khalifa, M.E., Abu-Melha, S., El-Metwaly, N.M.	Natural citric acid assisted synthesis of CuO nanoparticles: Evaluation of structural, optical, morphological properties and colloidal stability for gas sensor applications	2022	Ceramics International	48	18
15.	Vinodhini, K., Kavitha, S., Saranya, T., Geethalakshmi, K.	Molecular Analysis of bacteria isolated from the soil for its Potential Agnostic activity	2022	Research Journal of Pharmacy and Technology	15	9

S.No.	Authors	Document Title	Publication Year	Journal Title	Volume	Issue
16.	Saranya, J., Anusuya, N., Benhiba, F., Warad, I., Zarrouk, A.	A Cyanopyran Derivative for Preventing Corrosion of Pipeline Material Used in The Oil and Gas Industry	2022	Analytical and Bioanalytical Electrochemistry	14	9
17.	Adarshan, S., Akash, S., Avinash, K., Bharathkumar, M., Muthuramalingam, P., Shin, H., Baskar, V., Chen, J.-T., Bhuvaneshwari, V., Ramesh, M.	Transcriptomics, Cheminformatics, and Systems Pharmacology Strategies Unveil the Potential Bioactives to Combat COVID-19	2022	Molecules	27	18
18.	Arthi, G., Suganya, K., Nieto, J.J.	Controllability of nonlinear higher-order fractional damped stochastic systems involving multiple delays	2022	Nonlinear Analysis: Modelling and Control	27	5
19.	Suresh, S.N., Puspharaj, C., Natarajan, A., Subramani, R.	Gum acacia/pectin/pullulan-based edible film for food packaging application to improve the shelf-life of ivy gourd	2022	International Journal of Food Science and Technology	57	9
20.	Anusuya, N., Saranya, J., Benhiba, F., Warad, I., Zarrouk, A., Chitra, S.	Isoxazoline Derivatives as Inhibitors for Mild Steel Corrosion in 1M H ₂ SO ₄ : Computational and Experimental Investigations	2022	Journal of Materials Engineering and Performance	31	9
21.	Sulaiman, M., Kiruthika, K., Harathi, P.B.	Range extension of lesser-known orchids to the Nilgiris of Tamil Nadu, India	2022	Journal of Threatened Taxa	14	8
22.	Duraisamy, P.D., Prince Makarios Paul, S., Gopalan, P., Angamuthu, A.	Feasibility of halide (F ⁻ , Cl ⁻ and Br ⁻) encapsulated Be ₁₂ O ₁₂ nanocages as potential anode for metal-ion batteries - A DFT-D3 approach	2022	Materials Science in Semiconductor Processing	147	
23.	Venkatraman, D., Narayanan, R.	Integrated Framework for Intrusion Detection Through Adversarial Sampling and Enhanced Deep Correlated Hierarchical Network	2022	Revue d'Intelligence Artificielle	36	4
24.	El Dib, G., Mano Priya, A., Lakshmi pathi, S.	Investigation of the Gas-Phase Reaction of Nopinone with OH Radicals: Experimental and Theoretical Study	2022	Atmosphere	13	8
25.	Sundari, S.S., Arunadevi, N., Kanchana, P., Meena, P., Kumar, E.R., Elansary, H.O., Mahmoud, E.A., Abdelmohsen, S.A.M.	Influence of carboxylic acids on structural, optical, thermal, and electrical properties of ferroelectric glycine phosphite single crystals	2022	Journal of Materials Science: Materials in Electronics	33	22
26.	Priyanka, D., Nalini, D.	Designing a corrosion resistance system using modified graphene oxide-epoxy microcapsules for enhancing the adhesion strength of the epoxy coatings	2022	Applied Surface Science Advances	10	
27.	Ross, N.S., Srinivasan, N., Amutha, P., Gupta, M.K., Korkmaz, M.E.	Thermo-physical, tribological and machining characteristics of Hastelloy C276 under sustainable cooling/lubrication conditions	2022	Journal of Manufacturing Processes	80	
28.	P S, A., Vinod, V., Harathi, P.B.	A critical review on extraction and analytical methods of phthalates in water and beverages	2022	Journal of Chromatography A	1675	
29.	Kirubavathy, S.J., Arunadevi, N., Pavithra, P., Pavithra, P.S., Pavithra, D., Pavithra, M.	Magnetite Fe ₃ O ₄ Nano-oxide from Aqueous leaf Extract of <i>Coccinia grandis</i> (L.) Voigt: Synthesis, Characterization, Magnetic studies and Anti-cancer Evaluation	2022	Indian Journal of Pharmaceutical Education and Research	56	3
30.	Gokilavani, R., Rehana Banu, H.	GC-MS analysis of endolichenic fungus isolated from <i>Hypotrachyna infirma</i> (Kurok.) Hale	2022	Research Journal of Biotechnology	17	6
31.	Duraisamy, P., Gopalan, P., Angamuthu, A.	Investigation of N-H...H-M Dihydrogen Bonded Interactions in Adenine, Cytosine, Guanine, and Thymine with H-M (M = Li and Na) Complexes: A DFT Study	2022	Russian Journal of Physical Chemistry A	96	6

S.No.	Authors	Document Title	Publication Year	Journal Title	Volume	Issue
32.	Nagarathinam, S., Narayanan, R.	Deep Positional Attention-Based Hierarchical Bidirectional RNN with CNNBased Video Descriptors for Human Action Recognition	2022	International Journal of Intelligent Engineering and Systems	15	3
33.	Swathika, M., Singh, K.R., Mehala, M., Pandey, S., Singh, J., Singh, R.P., Natarajan, A.	Design and synergistic effect of nano-sized epoxy-NiCo ₂ O ₄ nanocomposites for anticorrosion applications	2022	RSC Advances	12	23
34.	Sankaran, S.S., Dhanasekaran, R., Kumar, B., Durairajan, A., Valente, M.A., Devaraj Stephen, L.	Study on growth, optical and dielectric properties of 'Nd' DOPED NBT-BT (0.94(Na _{0.5} Bi _{0.5} Ti _{0.3})-0.06batio ₃) relaxor ferroelectric single crystals	2022	Journal of Electroceramics	48	3
35.	Midhun Dominic, C.D., Raj, V., Neenu, K.V., Begum, P.M.S., Formela, K., Saeb, M.R., Prabhu, D.D., Poornima Vijayan, P., Ajithkumar, T.G., Parameswaranpillai, J.	Chlorine-free extraction and structural characterization of cellulose nanofibers from waste husk of millet (Pennisetum glaucum)	2022	International Journal of Biological Macromolecules	206	
36.	Senthilkumar, M., Udhayakumar, M., Lavanya, M., Mahadevan, G., Rajesh, K.B., Jaroszewicz, Z.	Generation of 1D array of focal segments using spirally polarized beam and Complex Phase Filter	2022	Optics and Laser Technology	149	
37.	Senthilkumar, P., Chandran, S., Kartsev, A., Shavrov, V., Lega, P., Subramani, R.	Preparation and Chemical/Physical Characterization of Individual Nano-scaled Fibrils	2022	Nanoscience and Nanotechnology - Asia	12	2
38.	Parimala devi, D., Praveena, G., Jeba Beula, R., Abiram, A.	Investigation of dihydrogen bond interaction between cycloalkenes and alkali metal hydrides: a DFT approach	2022	Journal of Structural Chemistry	63	4
39.	Sasikala, T., Shanmugasundaram, K., Thirunavukkarasu, P., Nithya, N., Vivek, P.	The influence of Zn on MoS ₂ thin films by jet nebulizer spray coating method for P-N diode application	2022	Journal of Materials Science: Materials in Electronics	33	10
40.	Suvarna, K., Kirubavathy, S.J., Selvasekarapandian, S., Krishna, M.V., Ramaswamy, M.	Corn silk extract-based solid-state biopolymer electrolyte and its application to electrochemical storage devices	2022	Ionics	28	4
41.	Sasikumar, A.P., Ramaswamy, S.K., Sudhir, S.	A scientific pharmacognosy on Gaucher's disease: an in silico analysis	2022	Environmental Science and Pollution Research	29	17
42.	Sudha, V.P., Vijaya, M.S.	Recurrent Neural Network Based Model for Autism Spectrum Disorder Prediction using Codon Encoding	2022	Journal of The Institution of Engineers (India): Series B	103	2
43.	Deebasree, J.P., Maheskumar, V., Vidhya, B.	Investigation on the impact of pH on the photocatalytic activity of sonochemically synthesised BIVO ₄	2022	Materials Letters	311	
44.	Arthi, G., Brindha, N., Baleanu, D.	Finite-time stability results for fractional damped dynamical systems with time delays	2022	Nonlinear Analysis: Modelling and Control	27	2
45.	Jayachandran, P., Angamuthu, A., Gopalan, P.	Redox potentials of puckered 1,4-benzoquinone	2022	Journal of Chemical Sciences	134	1
46.	Makarios Paul, S.P., Parimala devi, D., Praveena, G., Beula, R.J., Haris, M., Abiram, A.	Theoretical investigation on the interaction between Metformin and Ferulic acid - A DFT approach	2022	Journal of the Indian Chemical Society	99	3
47.	Sivanandhan, M., Parasuraman, A., Surya, C., Lakshminarayanan, K., Krishnakumar, B., Mani, D., Ahn, Y.-H.	Facile approach for green synthesis of fluorescent carbon dots from Manihot esculenta and their potential applications as sensor and bio-imaging agents	2022	Inorganic Chemistry Communications	137	

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48.	Jincy, C.S., Meena, P.	Evaluation of cytotoxic activity of Fe doped cobalt oxide nanoparticles	2022	Journal of Trace Elements in Medicine and Biology	70	
49.	Kavita, S., Alagusoundarya, M., Ramakrishna, V.V., Suresh, V., Bhatt, P., Srimathi, P., Archana, R., Kar, D., Thomas, T., Gopalan, R.	On the table-like magnetocaloric effect, microstructure and mechanical properties of LaxFe _{11.6} Si _{1.4} system	2022	Journal of Alloys and Compounds	895	
50.	Kantharaj, V., Ramasamy, N.K., Yoon, Y.-E., Cheong, M.S., Kim, Y.-N., Lee, K.-A., Kumar, V., Choe, H., Kim, S.Y., Chohra, H., Lee, Y.B.	Auxin-Glucose Conjugation Protects the Rice (<i>Oryza sativa</i> L.) Seedlings Against Hydroxyurea-Induced Phytotoxicity by Activating UDP-Glucosyltransferase Enzyme	2022	Frontiers in Plant Science	12	
51.	Arunadevi, N.	Metal nanocomposites for advanced futuristic biosensing applications	2022	Materials Letters	309	
52.	Arunadevi, N., Swathika, M., Mehala, M., Ranjith Kumar, E., Bawazeer, T.M., Morad, M., Alkhamis, K., Al-nami, S.Y., El-Metwaly, N.M.	New epoxy-Nano metal oxide-based coatings for enhanced corrosion protection	2022	Journal of Molecular Structure	1250	
53.	Preethi, G., Andal, N.M.	Organophosphorus Pesticide Chelation by Modified Pod Shells - Batch Equilibration and Isothermal Studies	2022	Indian Journal of Environmental Protection	42	2
54.	Lega, P.V., Kartsev, A.I., Shuhui, L., Subramani, R., Koledov, V.V.	Thermoelastic Martensitic Transformation and Shape Memory Effect in Nanoplates Based on Ti-Ni Alloys: Experiment, Modeling by Density Functional Theory and Molecular Dynamics	2022	Journal of Surface Investigation	16	1
55.	Pandaram, M., Santhanakumar, S., Veeran, R., Balasundaram, R.K., Jha, R., Jaroszewicz, Z.	Platinum Layers Sandwiched Between Black Phosphorous and Graphene for Enhanced SPR Sensor Performance	2022	Plasmonics	17	1
56.	Vedachalam, S., Sekar, P., Nithya, C., Muruges, N., Karvembu, R.	Dopant-Free Main Group Elements Supported Covalent Organic-Inorganic Hybrid Conducting Polymer for Sodium-Ion Battery Application	2022	ACS Applied Energy Materials	5	1
57.	Bhuvaneshwari, V., Ramasamy, N.K., Kumar, S.I., Kalaivani, S., Vaidehi, D., Kumar, D.K.	Antimicrobial activity of copper nanomaterials: Current status and future perspectives	2022	Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems		
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59.	Umamageswari, N., Thiruarul, D., Lavanya, M., Charles, J.W., Jaroszewicz, Rajesh, K.B.	Engineering axially polarized sub-wavelength scale focal structures using annular Walsh filter	2022	Journal of Optics (India)		
60.	Sabui, P., Mallick, S., Singh, K.R.B., Natarajan, A., Verma, R., Singh, J., Singh, R.P.	Potentialities of fluorescent carbon nanomaterials as sensor for food analysis	2022	Luminescence		
61.	Sowmiya, D., Surya Kumar, S., Rehanabanu, H., Santhana Bharathi, N., Sowmiya, D., Surya Kumar, S., Rehanabanu, H., Santhanabharathi, N.	Insecticidal potential of certain common ferns on Rugose spiralling whitefly, <i>Aleurodicus rugioperculatus</i> Martin (Hemiptera: Aleyrodidae)	2022	Journal of Biopesticides	15	1
62.	Kiruthika, R., Vijaya, M.S.	Studying the Effectiveness of Community Detection Algorithms Using Social Networks	2022	Cognitive Science and Technology		

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63.	Sasikala, D., Deepa, M.	A New Perspective of Neutrosophic Hyperconnected Spaces	2022	Neutrosophic Sets and Systems	51	
64.	Sudha, D., Kumar, E.R., Shanjitha, S., Munshi, A.M., Al-Hazmi, G.A.A., El-Metwaly, N.M., Kirubavathy, S.J.	Structural, optical, morphological and electrochemical properties of ZnO and graphene oxide blended ZnO nanocomposites	2022	Ceramics International		
65.	Kanchana, P., Aruna Devi, N., Prabha Devi, B., Shanmuga Sundari, S., Hemapriya, V., Chung, I.-M., Prabakaran, M.	New transition metal(II) complexes with naphthoate and aminoguanidine-based ligands: a combined spectroscopic and theoretical study with its applications	2022	Journal of Coordination Chemistry	75	15-16
66.	Nair, J.P., Vijaya, M.S.	River Water Quality Prediction and index classification using Machine Learning	2022	Journal of Physics: Conference Series	2325	1
67.	Chhabria, S., Raghavendra Rao, A.V., Naga Lakshmi, V., Patil, P.P., Anandaram, H., Bhattacharya, S., Francisca Kalavathi, D., Dhivya, A., NewayJida, S.	Valorization of Hazardous Materials along with Biomass for Green Energy Generation and Environmental Sustainability through Pyrolysis	2022	Journal of Chemistry	2022	
68.	Swathika, M., Natarajan, A.	Synthesis and photometric properties of efficient white-emitting phosphor of M-AMG transition metal complexes for OLED applications	2022	Luminescence		
69.	Midhun Dominic, C.D., Maheswary, S., Neenu, K.V., Sajadi, S.M., dos Santos Rosa, D., Sabura Begum, P.M., Mathew, M., Ajithkumar, T.G., Parameswaranpillai, J., George, T.S., Resmi, V.C., Ilyas, R.A., Badawi, M.	C olocasia esculenta stems for the isolation of cellulose nanofibers: a chlorine-free method for the biomass conversion	2022	Biomass Conversion and Biorefinery		
70.	Prakash, T., Priyanka, R., Siranjeevi, R., Kumar, E.R., Arunadevi, N., Alharthi, S.S.	Evaluation of microstructural, optical, vibrational properties and photocatalytic activity of CdO nanostructure	2022	Ceramics International		
71.	Priyanka, D., Vinuchakravarthi, S., Nalini, D., Quraishi, M.A., Chauhan, D.S.	Graphene oxide integrated into protective coatings against corrosion for metals and its alloys: A review	2022	International Journal of Corrosion and Scale Inhibition	11	2
72.	Mercy, J.R., Stephen, S.E.A., Edna, K.R.J.	Design optimization of a hollow shaft through MATLAB and simulation using ANSYS	2022	Coupled Systems Mechanics	11	3
73.	Kalaivani, A., Karpagavalli, S.	Deep Neural Network Optimization for Skin Disease Classification Forecast Analysis	2022	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022		
74.	Kowsalya, R., Roseline Jeetha, B.	Cluster based data-aggregation using lightweight cryptographic algorithm for wireless sensor networks	2022	Materials Today: Proceedings		
75.	Sathya Priyadarshini, G., Subramani, R., Elakkiya, S., Gopal, S.	Synthesis of novel luminescent cyclometallated platinum (IV) complexes with a quinoline Schiff bases ligand and their photophysical properties	2022	Inorganic and Nano-Metal Chemistry		
76.	Salma, S., Aariba, S., Velvizhi, M., Yasmin, N., Sudha, U.V., Anitha, M.C., Naveena Reddy, S.	Qualitative phytochemical analysis of eight turmeric (Curcuma longa L) cultivars grown in various geographical locations of India with six extracts - A comparative study	2022	Materials Today: Proceedings	66	
77.	Arunadevi, N., Kanchana, P., Hemapriya, V., Mehala, M., Swathika, M., Chung, I.-M., Prabakaran, M.	A two-step strategy to synthesis new aminoguanidinium complexes: cytotoxic effect and perspectives	2022	Inorganic and Nano-Metal Chemistry		

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78.	Praveetha, S., Arunadevi, N., Shavrov, V., Lega, P., Subramani, R.	Encapsulation of inulin loaded ovalbumin nanofibrils in toned milk to enhance the nutritional value	2022	ECS Transactions	107	1
79.	Swathika, M., Arunadevi, N.	Recent Advances in Hydrogen Evolution Reaction Using First-Row Transition Metal Complexes as Catalyst	2022	ECS Transactions	107	1
80.	Karthika, S., Andal, N.M.	An Influence of Wastewater Discharges from Paper Mills on Farm Practices	2022	ECS Transactions	107	1
81.	Sangeetha, M., Kousalya, R.	An Optimized Weighted Consensus Clustering with Removal of Less Informative Composite Clusters	2022	Proceedings of the 2022 9th International Conference on Computing for Sustainable Global Development, INDIACom 2022		
82.	Geethalakshmi, K., Meenakshi, V.S.	Diabetic Retinopathy Lesions Identification in the Color Fundus Images using Multi-Layer Perceptron	2022	Proceedings of the 2022 9th International Conference on Computing for Sustainable Global Development, INDIACom 2022		
83.	Sasikala, D., Divya, A., Jafari, S.	THE ROLE OF INTERIOR AND CLOSURE OPERATOR IN MEDICAL APPLICATIONS	2022	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	12	2
84.	Kalaivani, A., Karpagavalli, S.	A Deep Ensemble Model for Automated Multiclass Classification Using Dermoscopy Images	2022	Proceedings - 6th International Conference on Computing Methodologies and Communication, ICCMC 2022		
85.	Singh, K.R.B., Natarajan, A.	Molecularly imprinted polymer-based optical immunosensors	2022	Luminescence		
86.	Maxwalt, S., Rahupathy, K., Suresh, S.N., Subramani, R., Pushparaj, C.	Synthesis of eco-friendly nanocomposite with silver nanoparticle to increase the antimicrobial activity	2022	Materials Today: Proceedings	62	
87.	Muthusamy, L., Rajendran, M., Ramamoorthy, K., Narayanan, M., Kandasamy, S.	Phytostabilization of metal mine tailings-a green remediation technology	2022	Phytoremediation Technology for the Removal of Heavy Metals and Other Contaminants from Soil and Water		
88.	Veerapandi, L., Nivetha, T., Sinthiya, R., Amirthadharshini, N.K., Bumaasri, K., Aishwarya, R.	Insilico and Pharmacological Property Analysis of Bioactive Components from Prunus avium against Diabetics	2022	Journal of Natural Remedies	22	1
89.	Ponnambalam, P., Kamalakkannan, J., Jayaseelan, R., Selvi, G.	Novel synthesis of Cu-ZnO heterostructure for photoelectric, medicinal, and sun-light dye degradative applications	2022	Inorganic and Nano-Metal Chemistry	52	9
90.	Senthilkumar, P., Shavrov, V., Lega, P., Subramani, R.	Resveratrol-loaded β -Lactoglobulin Nanofibrils to Prevent Enzymatic Browning on Sliced Apple	2022	Applied Food Biotechnology	9	1
91.	Santhana Lakshmi, V., Vijaya, M.S.	A Study on Machine Learning-Based Approaches for PM2.5 Prediction	2022	Lecture Notes on Data Engineering and Communications Technologies	93	
92.	Ponnambalam, P., Kamalakkannan, J., Jayaseelan, R., Doss, M.A., Selvi, G.	Synthesis, Characterization, Photocatalytic and Photovoltaic Applications of a Novel Semiconductor CuPbO Nanomaterial	2022	Asian Journal of Chemistry	34	1
93.	Prakash, P., Archana, G., Gayathiri, E., Mani, V., Manivasagaperumal, R., Vinoth, B., Peele, K.A., Selvam, K., Thirupathi, A., Alodaini, H.A., Al-Dosary, M.A., Hatamleh, A.A., Chang, S.W., Ravindran, B.	Pharmakinetics studies, molecular docking and discovery of anti-proliferative agents and its targeting EGFR inhibitors	2022	Journal of King Saud University - Science	34	1

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94.	Deepika, A., Radha, N.	Performance Analysis of Abstract-Based Classification of Medical Journals Using Machine Learning Techniques	2022	Lecture Notes on Data Engineering and Communications Technologies	75	
95.	Arunadevi, N., Kanchana, P., Hemapriya, V., Sankaran, S.S., Mayilsamy, M., Balakrishnan, P.D., Chung, I.-M., Mayakrishnan, P.	Synthesis and crystal growth of cadmium naphthoate crystal for second order non-linear optics and cytotoxic activity	2022	Journal of Dispersion Science and Technology	43	14
96.	Narayanan, M., Murugan, J.M., Kandasamy, G., Kandasamy, S., Nasif, O., Rajendran, M., Pugazhendhi, A.	The biotransformation potential of Bacillus cereus on β -cypermethrin to protect the earthworm (<i>Perionyx excavatus</i>) on insecticide -contaminated soil	2022	Archives of Agronomy and Soil Science	68	7

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