

#### **PSGR Krishnammal College for Women**



College of Excellence • Autonomous Institution • Affiliated to Bharathiar University • ISO 9001:2015 Certified • DBT Star College • Reaccredited with A++ Grade by NAAC • Ranked 6<sup>th</sup> in NIRF 2021 by MHRD



INDIA RANKINGS 2021 National Institutional Ranking Framework

PSGR Krishnammal College for Women, Coimbatore

Shri Ram College of Commerce, Delhi

St. Stephens's College, Delhi

Hindu College, Dalhi

Lady Shn Ram College For Women, Delhi



## GRG INSTITUTIONS In the League of ERISINAMMAL COLLEGE FOR Legends

Ministry of Education

Miranda House, Delhi



Patron Dr. R. Nandini Chairperson

Dr. N. Yesodha Devi Secretary

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## **Our Founders Our Inspiration**

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**

The annual IQAC newsletter for 2021-22 highlights the recent events and achievements of the college during the 'new-normal'. The global pandemic outbreak has opened up new perceptions and challenges in the global education scenario. The pandemic has brought a tremendous change in higher education and elearning has become a requisite of the contemporary educational landscape. Though there were roadblocks in the teaching-learning process, the institution has maintained high academic standards. "Rough seas make stronger sailors. Tough times build greater people," says Robin Sharma, and our college stands a testimony to the maxim. During tough times, the members of PSGRKCW have created opportunities to excel with novel methodologies to meet the challenges. New platforms and strategies were devised to work with academic rigor to march towards the path of excellence. ICT platforms were explored to engage students meaningfully. With a combination of ICT tools and various pedagogies, efforts were taken to make the teaching-learning process participative and enjoyable. The sown seeds of progress culminated into achievements because of the unflinching and untiring efforts of the Secretary, the Principal and the Deans, the dedicated efforts of the faculty and the unwavering contribution of our students who have made it possible to elevate our institution to the top level in NIRF and NAAC. The current issue of our newsletter is a testimony that marks our growth, unfolds achievement and gives life to our thoughts and aspirations. The newsletter is a mode to witness the calibre and achievements of students and faculty members. It will serve as a conduit in disseminating the current status, adaptability and productivity of the institution.

Happy Reading!!

#### **Accolades**

We are delighted to bring to light the accolades showered upon our institution:

- Prestigious A++ Grade in the fourth cycle of NAAC accreditation with an astounding CGPA of 3.71 on a 4 point scale
- All India Rank #6 in the National Institutional Ranking Framework (NIRF-2021) released by the Ministry of Education, Government of India
- DBT-BUILDER (Boost to University Interdisciplinary Life Science Departments for Education and Research) grant recipient from the Ministry of Science and Technology, Government of India
- GRG BIRAC EYUVA CENTRE (Encouraging Youth for Undertaking Innovative Research through Vibrant Acceleration) supported by BIRAC (Biotechnology Industry Research Assistance Council)
- Recognition as a Nodal Training Institute under Agri-Clinics & Agri-Business Centres (ACABC) programme launched by the Ministry of Agriculture and Farmers' Welfare, Government of India, in association with NABARD
- Five patents have been filed and two patents were granted this year:
  - i. A patent has been granted to Dr. N. Priyadharsini, Assistant Professor, Department of Physics (Aided), for her invention of the 'Mobile Bug'.
  - ii. Dr. C. Sharmila, Associate Professor and Head, Department of Physics (SF), has received a patent for her innovative work on 'Polymer Composition for Packing Food Materials and Process'.

#### **Quality Initiatives**

- New Programmes started during 2021-22 B.Sc. Computer Science (Artificial Intelligence), B.Sc. Biotechnology and M.Sc. Biotechnology
- Entrepreneurial initiatives of the students were promoted through the Centre for Innovation, Incubation and Entrepreneurship Development Cell (CIIED) and Incubation support was provided to students aspiring to launch Start-ups
- DBT-BUILDER Programme and GRG BIRAC EYUVA Centre supported by BIRAC.
- Recognised as a Nodal Training Institute under the Agri-Clinics & Agri-Business Centres (ACABC) in association with NABARD
- Recognised training centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY) and a skill hub has been established
- Signed an MoU with NASSCOM IT-ITes sector skills council for Skill Development Training in emerging technologies
- Online internships on Internshala
- Revamping of the curriculum to suit the developing industrial and technological trends
- MoU has been signed with Coursera on 30.12.2021. These courses are to be integrated in the curriculum as Skill Based Subjects. 1170 student licenses & 100 faculty licenses obtained from Coursera will benefit students & faculty members

#### Nodal Training Institute under the Agri-Clinics & Agri-Business Centres (ACABC)

The college has been recognized as one of the Nodal Training Institutes in Tamil Nadu. This flagship scheme is launched by the Ministry of Agriculture and Farmer's Welfare, Government of India, in association with NABARD. The Programme is implemented through the National Institute of Agricultural Extension



Management (MANAGE), Hyderabad. This is a 45 days (April 06, 2022 to May 20, 2022) residential training programme which was inaugurated on April 6, 2022 with 24 trainees. The programme oriented the participants towards various startup opportunities in agri and allied sectors. The trainees of this programme are eligible to apply for exclusive loans under various public sector banks under the ACABC Scheme which has a subsidy possibility from NABARD. The project period is from October 2021 to October 2024, which is renewable based on the performance.

Mrs. Chitra Devi, Joint Director (Agriculture), Coimbatore Dist., delivering the inaugural address on April 6, 2022

#### Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

The college is a recognised training centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY) which is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE). The objective of this Skill Certification Scheme is to enable a large number of Indian youth to take up industry-relevant skill training. Students were trained for the following job roles – Sewing Machine Operator, Hand Embroiderer, Assistant Beauty Therapist and Assistant Hair Stylist.

Skill hub initiative under Pradhan Mantri Kaushal Vikas Yojana 3.0 (PMKVY 3.0) provides skill development and vocational training opportunities to the school dropouts. They were trained as Sewing Machine Operators and as Assistant Beauty Therapists.

#### GRG BIRAC EYUVA CENTRE DBT BUILDER

BIRAC (Biotechnology Industry Research Assistance Council) has approved the establishment of GRG BIRAC EYUVA Centre (Empowering Youth for Undertaking Value Added Innovative Translational Research) at PSGR Krishnammal College for Women with a grant of Rs. 2.66 crores. With this, our Institution is venturing into establishing incubation and startups in Industrial Microbiology.

#### Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, has provided financial support to establish DBT-BUILDER - PSGR Krishnammal College for Women - Interdisciplinary Life Science Programme for Advance Research and Education, to the tune of Rs. 1.2 crores. BUILDER programme will help in the upgradation of laboratories, enhancement of skill sets of students, teaching learning process and interdisciplinary research and help empower women in the field of life sciences.

#### MoU Signed with NASSCOM

The college signed an MoU with NASSCOM IT-ITes sector skills council for Skill Development Training in emerging technologies to encourage students and faculties to equip themselves with self-paced learning.



MoU signed on May 12, 2022 with NASSCOM

## ACADEMICS

#### **NEW PROGRAMMES THIS ACADEMIC YEAR**

**B.Sc. Computer Science (Artificial Intelligence)** 

#### **B.Sc. Biotechnology**

**M.Sc. Biotechnology** 

#### **ISO AUDIT 2021-22**

ISO 9001: 2015 Surveillance Audit was conducted on 08.10.2021 ISO 9001: 2015 Surveillance Re Certification Audit was conducted on 28.04.2022

## **BOARD OF STUDIES**

- The re-constitution of all 24 BoS and the academic council with academic experts, industry representatives, and alumni in accordance with UGC guidelines has been completed. One international subject expert is included in all the boards.
- The Board of Studies Meetings for all the programmes were held virtually from 22.11.2021 to 27.11.2021.
- The Curriculum for the 2021-22 batch was designed using the Learning Outcome Based Curriculum Framework (LOCF) at both the undergraduate and post-graduate levels.
- 47 new courses were introduced and 105 courses were revamped for the academic year 2021-22

## ACADEMIC COUNCIL

24<sup>th</sup> Meeting of the Academic Council was conducted virtually on 18.06.2021 25<sup>th</sup> Meeting of the Academic Council was conducted virtually on 29.12.2021

## FAMILIARIZING THE CULTURE OF KRISHNAMMAL Student Induction Programme

To bridge the gap between school and college ambience among first year students, the Student Induction Programme was conducted for three days virtually on 16<sup>th</sup>, 17<sup>th</sup> and 20<sup>th</sup> September 2021. Faculty members oriented the New students on the unique characteristics of our institution, such as innovation in the curriculum, club activities, job-related courses, etc.

Faculty Induction Programme for newly recruited faculty members was organised by IQAC to make them understand their role in contributing to the success of the institute. The programme was conducted in two sessions for two days on  $5^{th}$  and  $6^{th}$ October 2021.



## **GROOMING THE LEADERS OF TOMORROW**

#### **Students' Forum Election**

The Students' Forum of our college is a vibrant setting where the students are honed to develop their managerial skills and leadership qualities. The Election for the various posts in the Students' Forum for the academic year 2021-22 was held on 15.09.2021 through online mode. The following students were elected to helm the effective functioning of the Forum: Monicka Sre R.V. of III B.A. English (SF) was elected as the President; Avanthika V. of III B.Sc. IT (A) was elected as the Vice President; Madhumitha V. of II B. Com (B) was elected as the General Secretary; Jayassree P.R. of III BSc CS was elected as the Secretary of the Fine Arts Association.

#### **Students' Forum Inaugural and Investiture Ceremony**

The Inaugural and Investiture Ceremony of the Students' Forum for the academic year 2021-22 was held on Wednesday, October 7, 2021. Principal administered the oath to the newly elected members of the Students' Forum acquainting them with their duties.



In the Inaugural Address, the Chief Guest, Mr. Jayaprakash Gandhi, Career Consultant and Analyst, Salem, stressed upon the importance of Artificial Intelligence and Machine Learning. The President of the Students' Forum, Ms. Monicka Sre R.V. proposed the Vote of thanks.

# **REJOICING THE SOVEREIGN, SECULAR AND DEMOCRATIC SOLIDARITY OF OUR NATION**

#### **Independence** Day

Independence Day was celebrated on August 15, 2021, with great pomp and show. The National Flag was hoisted by Principal Dr. S. Nirmala. Thamizh Thai Vazhthu and the Flag song were sung by the students. A special speech was delivered by Dr. J. Kavitha, Assistant Professor, Department of Tamil. The programme came to a close with the National Anthem.



# Yoga Club conducted 'Suryanamaskara Competition' by forming the 'Pose of 75' to commemorate the $75^{\rm th}$ Independence Day



#### **Gandhi Jayanthi Celebration**

The Virtual 'Gandhi Jayanthi Celebration' was organised by the Students' Forum on October 2, 2021, at 9:00 am. Ms. Kaviya K., Ph.D. Research Scholar, Department of English, spoke about the importance and significance of the day.

#### **Republic Day**

Republic Day was celebrated on January 26, 2022. Principal Dr. S. Nirmala hoisted the National Flag. Flag song was sung by our NCC and NSS students. The Principal delivered a speech on the significance of the day.

#### Sadbhavana Day

Sadbhavana Diwas is observed on the 20<sup>th</sup> of August every year to commemorate the birth anniversary of Late Shri. Rajiv Gandhi, the former Prime Minister of India. Sadbhavana Day was observed at the college to promote national integration and communal harmony among people of all religions, languages, and regions. The faculty were administered the pledge of communal harmony.



#### **Social Justice Day**

Social Justice Day was observed on September 17, 2021 to commemorate the birth anniversary of the social reformer Periyar E.V. Ramasamy. Students venerated his memory by taking oath to follow values based on ideals such as brotherhood, equality, self-respect, and rationalism.

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The National Service Scheme of Bharathiar University and Nehru Yuva Kendra, Coimbatore, jointly organised a freedom run to celebrate 75 years of Indian Independence on August 21, 2021. The Prime Minister, Shri Narendra Modi, inaugurated the initiative "Azadi Ka Amrit Mahotsav". A Fit India Freedom Run was organised and volunteers from various institutions participated in the marathon.



#### National Unity Day/ Rashtriya Ekta Diwas

The birth anniversary of Sardar Vallabhai Patel is observed as National Unity Day in India. The day honours the legacy of Patel, India's first Home Minister who is famously known as the Iron Man of India. On this occasion, a programme commemorating the birth anniversary of Sardar Vallabhai Patel was organised on 31.10.2021. Ms. L. Claron Nan Kriba of III BSc IT delivered a speech on the life of Sardar Vallabhai Patel and the significance of National Unity Day.

#### National Integration Day/ Quami Ekta Diwas

National Integration Day commemorates the birthday of our country's first woman Prime Minister, Indira Gandhi. On this occasion, the Students' Forum of our College organised a programme to promote peace, unity, and integration between all the different segments of the society.

## NATIONAL CADET CORPS





Marathon held at Race Course on August 21, 2021 in Commemoration of the 75<sup>th</sup> Independence Day

Swachh Bharat Awareness Campaign at Puliakulam on October 30, 2021.



Interaction Session with Honourable Governor Mr. R. N. RAVI.

#### NATIONAL SERVICE SCHEME Pre-Republic Day Parade Camp

The National Service Scheme of Bharathiar University organised a University Level selection for Pre-Republic Day Parade Camp on October 1, 2021. The State level selection for South Zone Pre-Republic Day Parade Camp was held from October 21, 2021 to October 31, 2021 at the University of Agriculture Sciences (GKVK), Bangalore. The selected NSS Volunteers from various affiliated institutions of Bharathiar University and Avinashilingam University took part in the Pre-RD Camp. Our volunteer Ms. B. Priyadharshini from II B.A. History secured second place in the selection round and got an opportunity to take part in the camp.



#### **National Integration Camp**



The National Integration Camp was organised from December 14, 2021 to December 20, 2021 at Sri Ramakrishna College of Arts and Science, Coimbatore. The selected NSS Volunteers from other states of India took part in the Camp. Mrs. K. Suguna, NSS P.O. acted as Bharathiar University Contingent Leader in the National Integration Camp. Our volunteer, Ms. E. Savitha from II B.A. History won the third place in the selection round and Ms. N. Kiruthika from II BBA (BPM) participated in the camp.

## NSS SPECIAL CAMPIII

The National Service Scheme organised a 'Special Camp 2022' in the adopted villages of Vellanaipatti, Aandakkapalayam, Serayampalayam and Kaikolapalayam. 200 volunteers took part in the camp and conducted medical camps, competitions, cultural programmes, and awareness rallies. The special event was the inauguration of the library at Vellanaipatti Government Middle School.



## SETTING DEFINITE TRAJECTORY FOR PROGRESS IQAC ACTIVITIES

#### NAAC 4<sup>th</sup> CYCLE ACCREDITATION

The NAAC peer team visited our institution on  $11^{th}$  and  $12^{th}$  August 2021 for the fourth cycle of accreditation and the result was declared on August 17, 2021. The college was accredited by the National Assessment and Accreditation Council (NAAC) with the highest 'A++' grade (CGPA of 3.71 on a four-point scale).

#### AQAR SUBMISSION

The AQAR Report for the academic year 2020-21 was submitted to the UGC on February 11, 2022 in the NAAC Portal and was accepted.

#### **FACULTY DEVELOPMENT PROGRAMMES**

The IQAC conducted a Faculty Development Programme on 'Mentoring to Build Resilience during Pandemic' on June 3, 2021. Mrs. K. S. Paviyazhini, Counselling Psychologist of our college, mentored the participants so that they could build resilient attitudes in the face of adversity.

'Introduction to Entrepreneurship' was jointly organised by the IQAC and Entrepreneurship Development Cell on September 28, 2021 with Dr. Savitha Nair, Associate Professor, GRG School of Management Studies, as the Resource Person. She trained the faculty members on the Foundation Course - 'Introduction to Entrepreneurship'.





On November 30, 2021, the Department of Chemistry and IQAC collaborated to host a One-day Faculty Development Programme on 'Effective Methods of Teaching - A Practical Approach'. The Resource Person was Dr. G. Chandramohan, Retired Principal of Sri Venkateshwara College, Thanjavur. Faculty members of our college and 70 faculty members from other institutions attended the event.



The FDP on Design Thinking was organised by IQAC. The programme was conducted by SOIL – School of Innovation and Leadership. Srikanth Talluri, the founder of SOIL, the co-founder, Ms. Usha, Mr. L.N.Prabhu Chandrasekaran and Mr. Satya H. Vakada were the subject experts on Design Thinking. The objective of the FDP on Design Thinking is to identify problems at three levels. Module I, held on March 25, 2022, focused on identifying problems at the most fundamental level; Module II, held on April 7 and 8, 2022, focused on identifying community problems; and Module III, held on April 28 and 29, 2022, focused on identifying industrial problems.

#### **TRAINING PROGRAMMES**

The IQAC and Dr. Latha Parameswaran, Director CS, organised a Training Programme in MS TEAMS for all the faculty members from May 23, 2022 to May 25, 2022 to facilitate our transit to Microsoft Office 365 and MS Teams. Dr. D. Surendran, Founder & CEO, SKS Skill Fasteners Pvt Ltd., conducted the training programme.

IQAC along with the PG Computer Science Department conducted a Training Programme for AMPLE -LMS for all faculty members from May 26, 2022 to May 28, 2022.

#### **AWARENESS PROGRAMMES**

On October 13, 2021, the IQAC along with the Coimbatore Branch of the Women Doctors Wing, Indian Medical Association, organised an 'Awareness Programme on Breast and Cervical Cancer'. Dr. T. Nalini, Chief Medical Officer, Urban Primary Health Centre, Coimbatore, sensitised our students on the prevention of cancer and insisted upon the importance of maintaining good health.

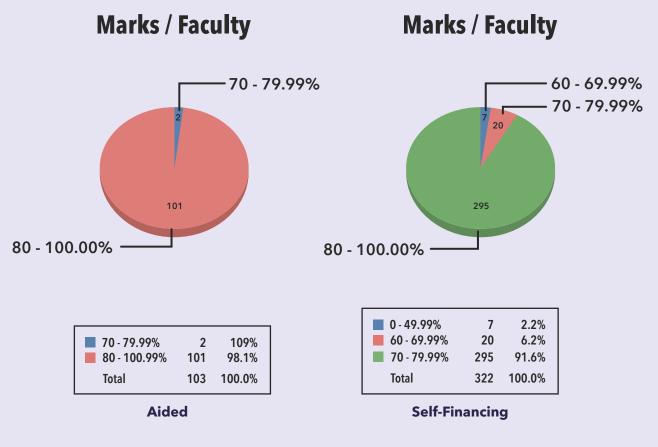
An Awareness Programme for students on 'Social Media Crimes against Women and Children' was conducted on October 26, 2021. Dr. Latha Subramanian, Assistant Professor, Department of Criminology, University of Madras, was the resource person. She sensitised the students about the crimes happening on social media.



#### FEEDBACK

#### **Students' Feedback Report on Teaching-Learning Process**

The feedback analysis proved that the maximum number of faculty members have been graded high by the students which reassures that the students are highly satisfied with the teaching-learning process.



- 295 faculty members out of 332 fall in the top category of 80-100 grade points
- o 20 faculty fall in the category of 79-79.99 grade points
- 7 faculty members are in the 60-69.99 grade points

#### **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, placement, etc. Top performing departments are selected in the Aided & SF categories.

#### **Aided Departments :**

#### **Self-Financing Departments :**

I- Chemistry (1347 Points)I- Computer Science UG (750 Points)II- Physics (1227 Points)II- B.Com AF/ BA (428 Points)III- Botany (1052 Points)III- B.Com PA (334 points)

Best Faculty are also honoured based on their contribution in academics, research and extension activities.

# MOVING BEYOND BOUNDARIES

## **OFFICE OF INTERNATIONAL RELATIONS**

#### **INTERNATIONAL PROGRAMMES (SUMMER PROGRAMMES)**

International Programmes (Summer Programmes) were conducted periodically in collaboration with CETYS Universidad, Mexico and Nottingham Trent University, UK, in which our students participated.

#### **RECENTLY ESTABLISHED COLLABORATIVE PARTNERSHIPS**

- James Cook University, Singapore Campus (JCUS) Letter of Intent signed on August 5, 2021
- University of Michigan-Dearborn, Michigan, USA MoU signed on August 6, 2021
- University of Wisconsin-Milwaukee, Wisconsin, USA-MoU signed on November 15, 2021.

#### **EDUCATION FAIR**

Education fair was conducted by Study in India (SII) during December 2021 at Kathmandu, Nepal. PSGRKCW was represented at the fair by Dr. G.B. Sabari Rajan, Associate Professor, GRGSMS and Dr. Jereesh K. Elias, HoD of Psychology.

Education fair was conducted by Study in India during March 2022 at Colombo, Sri Lanka. PSGRKCW was represented by Dr. G.B. Sabari Rajan, Associate Professor, GRGSMS and Dr. M. Jayamala, Assistant Professor, Department of Women Studies.

#### **INTERNATIONAL ADMISSIONS**

Mr. Gambhir Bhagat, Founder CEO of Lincoln Academy/Kathmandu Maxway International, Kathmandu, Nepal, visited our campus on January 5, 2022, and signed an MoU for international admissions.



- An MoU was signed on January 7, 2022 with Aspiring Life Consultants Pvt Ltd., Dhaka, Bangladesh, for international admissions.
- An MoU was signed on March 18, 2022 with Mway Pvt Ltd., an educational and career consultancy located in Colombo, Sri Lanka for international admissions.

## **DBT STAR STATUS - ACTIVITIES** Department of CS/IT/BCA

A National Level Workshop on 'Research Article Writing & Publications with Citations' was conducted online on December 15, 2021. The resource persons were Mr. Raja Visvanathan, Scientist-B (Computer Science), INFLIBNET Centre, an IUC of the University Grant Commission (UGC), Gandhinagar, Gujarat, Dr. N. Prasanna, Associate Professor, Department of Economics, Bharathidasan University, Tiruchirappali, and Dr. J.N. Swaminathan, Managing Editor, Technoarete Group, Chennai. 236 participants benefitted, including research scholars and faculty members of various institutions from all over India. A Guest Lecture on 'Synthetic Biology to Medicine' was organised on September 24, 2021 through the online mode with Dr. Joseph Selvin, Professor, Department of Microbiology, Pondicherry University, as the resource person.

A Faculty Development Programme on 'Bioinspired Computing' was organised on February 22, 2022 through online mode. Dr. K. Meena, Professor, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, shared her expertise with our faculty members.



#### **Science Departments**

DBT Sponsored 'One Day Interaction Programme Science Adda' was organised by the Science Departments on 12.02.2022. The resource persons were Dr. M. G. Sethuraman, Professor, Department of Chemistry, Gandhigram Rural Institute, Dindigul, Dr. N. Ponpandian, Professor and Head, Department of Nanoscience and Technology, Bharathiar University, Coimbatore, Dr. M. Saravanakumar, Head, Biotechnology, Rasi Seeds (P) Ltd, R & D Centre, Attur, Dr. K. Vaideki, Associate Professor, Department of Applied Science, PSG College of Technology, Coimbatore, Dr. Raghunath O. Ramabhadran, Assistant Professor, Department of Chemistry, IISER, Tirupathi and Dr. R. Rajendran, Associate Professor, Department of Microbiology, PSG College of Arts and Science, Coimbatore. 622 students from different schools benefitted from this programme.

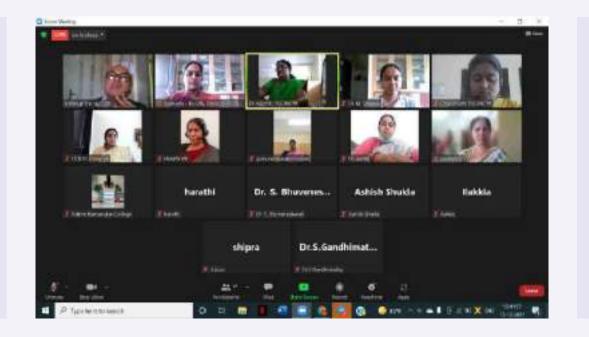
#### **DEPARTMENTAL ACTIVITIES**

PROGRAMMES CONDUCTED	No of Events	
Refresher Course	1	
International Conferences	8	
International Webinars	4	
National Webinars	31	
Guest Lectures	219	
Workshops	66	
Video Conferences	22	
Faculty Development Programmes	24	

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#### **REFRESHER COURSE**

The 'Online Two-Week Refresher Course in Zoology' was organised by the Department of Zoology in collaboration with the Teaching Learning Centre, Ramanujam College, University of Delhi, from 15<sup>th</sup> to 29<sup>th</sup> December 2021.402 faculty members from various institutions benefitted from the Refresher course.



#### **INTERNATIONAL CONFERENCES**

The Department of Botany conducted an International Conference on 'Recent Innovations in Biological Research' in collaboration with ICRIBR'22 on March 17&18, 2022. Dr. N. Anitha, Research Officer, TANSCHE, inaugurated the conference and delivered a talk on 'Nature, Energy and Economy'.



The Department of Mathematics organised a Two Day International Conference on 'Recent Trends in Theoretical and Computational Mathematics' on 24.02.2022 and 25.02.2022. Dr. D. Dafik, University of Jember, Indonesia, Dr. Nazeer Ahmed, University of Technology and Applied Sciences, Sultanate of Oman and Dr. C. Kanchana, University of Tarapaca, Chile, shared their expertise in theoretical and computational mathematics.





A Three Day Virtual International Conference on 'Chemistry-Frontiers and Challenges ICCFC-2022' was organised by the Post Graduate & Research Department of Chemistry, in association with the School of Engineering, University of Newcastle, Australia from January 5, 2022 to January 7, 2022. Eminent Speakers from Australia, Germany, the United States, the United Kingdom, and India delivered informative lectures to the participants and inspired the young researchers. Participants from 16 states of India presented their research findings through online mode.

B.Com A&F and B.Com BA departments organised an International Virtual Conference on 'FinTech and InsurTech' on March 11, 2022 in collaboration with B.Com PA, B.Com AM and B.Com FS. The resource person for the inaugural session was Ms. Vipina Mohamed Ali, Assistant Manager, Protiviti Middle East Member Firm, UAE. Mr. Nivas Narasimhan, Chartered Financial Goal Planner, American Academy of Financial Management, Coimbatore, and Dr. R. Sangeetha, Associate Professor, School of Business and Management, Christ University, Bangalore, acted as moderators. Dr. S. Sivakumar, Associate Professor & Co-ordinator-PG Programmes, School of Governance and Development Studies, Hawassa University, Ethiopia, delivered the valedictory address.



The Department of Tamil conducted an International Conference on 'Language Teaching and Learning in South East Asian Countries' on February 26 & 27, 2022. The resource persons were Dr. M. S. Sree Lakshmi, Professor (Rtd), Singapore Social Science University, Singapore, Dr. Muhilai Rajapandian, Registrar (Rtd), Central Institute of Classical Tamil, Chennai and Dr. R. Gunaseelan, Associate Professor, Department of Tamil, PSG College of Arts and Science, Coimbatore.

An International Virtual Conference on 'Advanced Materials for Sustainable Energy and Environment (ICAMSEE-2022)' was conducted by the Physics Department from February 16, 2022 to February 18, 2022. The resource persons were Prof. Arumugam Manthiram, The University of Texas, Austin, Prof. Dr. Maximilian Fichtner, Research Unit Chair & Spokesman of the Cluster of Excellence, POLIS Helmholtz Institute Ulm (HIU), Dr. M. V. Reddy, Senior Professional Researcher, Nouveau Monde Graphite, Quebec, Montreal, Canada, Dr. A. Selvakumar, Product Engineer from RSI - joint venture with Origalys, France, Dr. Arun Kumar Dorai, Assistant Professor, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan, and other resource persons from various Indian Universities. Around 200 participants, including 135 from other institutions participated.



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#### **INTERNATIONAL SYMPOSIUM**

In commemoration of the 75<sup>th</sup> Year of Independence, the PG & Research Department of History organised a Two Day International Symposium through virtual mode on 'Reminiscence of Mahatma Gandhi's Role in India's Freedom Struggle' on February 24 & 25, 2022. The Distinguished Guest Speakers of the Symposium were, Dr. Anuzsiya, Senior Lecturer Grade I, South Eastern University, Sri Lanka, Prof. V. Krishna Ananth, Associate Professor, Sikkim University, Dr. J. Muthu Kumar, Associate Professor in History, Annamalai University and Dr. Biju, Assistant Professor, M.S.M. College, Kerala.





#### **INTERNATIONAL SEMINAR**

A Two Day International Symposium was organised by the Department of Commerce on 'Financial Ecosystem - Pandemic, Economic Recovery and the Way Forward' from 10.03.2022 to 11.03.2022. Mr. C. Soundararajan, Director of Roots Multiclean Inc., USA, inaugurated the session followed by Dr. Dhamayanthi Arumugam, Senior Lecturer, Asia Pacific University, Malaysia, Prof. Ravinder Rena, Professor of Economics, Country Director-International, Internship University, South Africa, and Mr. Ravi Thirumalaisamy, Professor, Department of Accounting and Finance, Modern College of Business and Science, Sultanate of Oman. The valedictory address was delivered by Yugamoorthy, Managing Director of Yuga Accounting and Tax Consultancy, Dubai. The symposium highlighted the new trends and challenges in the financial ecosystem and the various ways to sustainability.

An International Virtual Seminar on 'Recent Trends in Children's Literature' was organised by the Department of English on October 11, 2021. The inaugural address was delivered by Dr. S. Chitra, Faculty and Head, Post Graduate Department of English, Yonphula Centenary College, Royal University of Bhutan. The keynote address was given by Dr. Anto Thomas, Associate Professor & Head, Department of English, St. Thomas College, Thrissur, Kerala. The Valedictory Address was rendered by Professor Kimberley Reynolds, Professor of Children's Literature, School of English Literature, Language and Linguistics, Newcastle University, UK.

#### **NATIONAL SEMINAR**

The Department of Hindi organised a seminar on 'The Usage of Functional Hindi in the Field of Technology' in association with The Regional Office, Bank of Baroda, Coimbatore, on April 4, 2022. Shri Kagadal, Deputy General Manager, was the Chief Guest. Smt. Gouri, Chief Manager (Official Language), BOB, Chennai and Ms. Poongothai, Manager, SME Division, BOB were the resource persons. "Gunjan", a handwritten magazine was released. Nineteen students presented their papers. Prizes were distributed to the winners of various competitions, such as essay-writing, oratory, singing, and for the best papers presented.



#### **VIRTUAL SEMINAR**

The Department of BBA on October 11, 2021 organised a Virtual Seminar on 'Digital Marketing Trends - Post COVID-19 Pandemic'. Mr. Srinivasan L., Founder and CMO at Knowledge Vibes Academy and Mr. Krishnan Nair, Digital Marketing Executive at Britannia Industries Ltd. were the resource persons.



## **INTERNATIONAL WEBINAR**

An International Webinar on 'Humanized Mouse Models of Cancer: Promises and Challenges' was organised by the Department of Zoology on October 22, 2021. Dr. Harinarayanan Janakiraman, Staff Scientist/Lab Head, Baylor College of Medicine, Texas, USA, delivered the lecture to students.



The Department of Economics and the National Cadet Corps organised an Online International Webinar on 'UN Sustainable Development Goal No. 1 - No Poverty: Childhood Poverty- Denial of Choices and Opportunities', on October 13, 2021. The resource person was Mr. Venkatraman Krishnamoorthy, popularly known as 'Pencil Man of UAE', a philanthropist in education who holds a Guinness record in charity and is the Chairman of Mahce Technologies LLC, Dubai.

#### **NATIONAL WEBINARS**

A Webinar on 'Drug Designing and Drug Development' was organised by the Department of Zoology on December 12, 2021 with Dr. C. Stalin, Regional Medical Advisor, Shield Healthcare Pvt. Ltd., Chennai, as the resource person.



On the eve of Srinivasa Ramanujan's birth anniversary, the Department of Mathematics (aided) conducted an Inter-Institutional Webinar in association with Rathinavel Subramaniam College of Arts and Science, Sulur, on December 23, 2021. Dr. Ramesh Kollouru, Assistant Professor, School of Agricultural Sciences and Technology, Narsi Mongi Institute of Management Studies, Maharashtra, was the chief guest. He delivered a lecture on 'Vedic Mathematics'.

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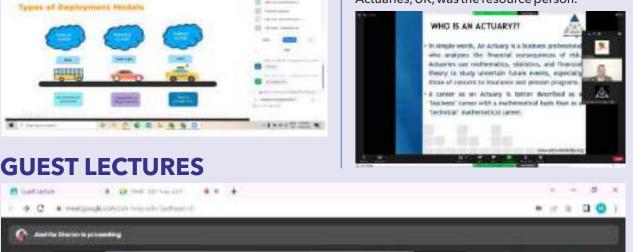
#### WEBINARS

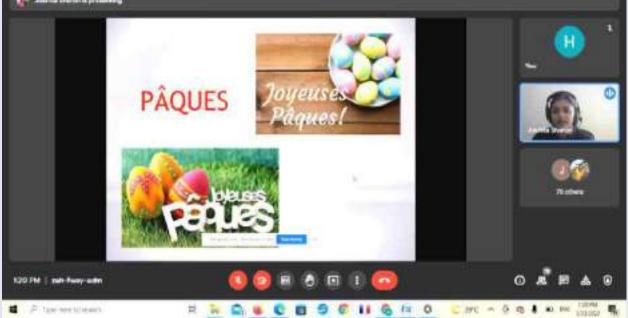
10

The Department of B.Com CA conducted a webinar on the topic 'Investor Awareness Programme on Commodity Derivative Market' on November 24, 2021. Dr. K. Prabhakaran, Resource Person for NCDEX, SEBI & NCFE, delivered the lecture.

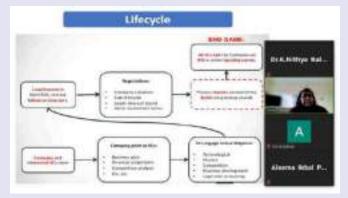
The Department of BCA conducted a Webinar on 'Cloud Computing'. Mr. M. Vimal Kumar, Associate, CTS, Bangalore, on March 11, 2022, explained Cloud Computing with relevant realtime examples.

The Department of B.Com AM & FS organised a Webinar on 'Actuarial Science' on September 22, 2021. Mr. Suresh Sindhi, Fellow Member, Institute of Actuaries of India and Institute of Actuaries, UK, was the resource person.





On March 23, 2022, the French Association hosted an online guest lecture on "LA VIE ET LA CULTURE FRANAISE." Ms. P. Joshita Sharon, Head & Professor of Alliance Française, Coimbatore, was the programme's Guest of Honour.



A Virtual Guest lecture on 'Digitalisation on Banking' was organised by the planning forum of the Department of Economics on August 28, 2021. Dr. K. Sivasankari, Assistant Professor, Department of Economics, J.B.A.S. College for Women, Chennai, was the Guest of Honour.

The Department of BBA conducted a Guest Lecture on Venture Capital on August 25, 2021. Mrs. G. Jananisri, Chartered Accountant, Capital Market Academy, Coimbatore, delivered the lecture.

The Department of BCA conducted a Guest Lecture on 'Artificial Intelligence' on August 28, 2021. Mr. Jegan Justin Seguttuvan, ICT trainer, IGCSE Board, Maldives, enlightened the students about the various industry applications of robotics.

The Department of Maths PG organised a Guest Lecture on 'Horizontal Integration of Applied Mathematics and Nanotechnology' on September 13, 2021. Dr. Moorthi Pichumani, Associate Professor, Department of Nanoscience and Technology acted as the resource person.

#### **VIRTUAL TOURS**

HANGEDHALT PR

A Virtual tour on Apiculture was organised by the Department of Zoology on January 22, 2022. Dr. S. Balaji, Assistant Professor, Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi, live streamed and explained the process of apiculture.

#### The Department of B.Com PA organised a virtual tour on 'Export Documentation and Procedures' on September 30, 2021. The final year students of B.Com PA visited STOWA Garments, Tirupur, a sole proprietary company, to enhance the knowledge of export documentation procedures. The activities in the company were live streamed to train the students.



The Department of B.Com A&F and B.Com BA conducted a workshop on 'Data Analysis using SPSS Packages for Researchers' from September 25, 2021 to October 15, 2021. The resource person for this programme was Dr. V. Gowtham Raaj, Freelance-Trainer & Assistant Professor at Dr. G. R. Damodaran College of Science. 131 students attended this workshop and acquired critical and analytical skills in Data analysis using IBM SPSS software.

#### **WORKSHOPS**

The Department of BBA organised a National Level Workshop on 'Women's Legal Rights' on September 29, 2021. The resource persons, Mrs. Alpa Dharamshi, Founder at Pehechaan, Bangalore, and Mrs. Minal Bharat Khona, Advocate, High Court & Notary conducted the workshop.







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The Department of B.Com A&F and BA organised a Three Day National Level Workshop on the 'Application of Al' from March 1 to 3, 2022. 120 students attended this workshop and gained analytical knowledge on Artificial Intelligence. Mr. Mirza Arif Baig, Assistant Professor and IT Head, Computer Science and Engineering Department, KCT Engineering College, Gulbarga and Dr. J. Sathiamoorthy, Professor, Department of Computer Science and Engineering, Marri Laxman Reddy Institute of Technology & Management, Hyderabad, were the resource persons.





The Department of B.Com PA conducted a Student's Workshop on the topic 'Data Analysis on Excel and Idea' from  $7^{th}$  to  $10^{th}$  March 2022 for the final year students to strengthen their knowledge in the working of MS-Excel. Mr. M. Parthasarathy and Mr. J. Jayadev from ICAI - Coimbatore branch were invited to handle the sessions.

B = Benefits of using DeFi . Wide global average to financial errorier . Attriviable group bender payment. . Improved privacy and average . Createriship resistant transactions . Easy to use - plug and pluy Diggs . Hybrid readeh of business transactions

The Department of BBA (BPM) organised a one day workshop on 'Communication & Personality Development: Brand Yourself' on October 21, 2021. The workshop was chaired by an eminent motivational speaker, Mr. Subash U Shankar.



The Department of Computer Science (PG) conducted a National Workshop on 'Blockchain' in association with the Computer Society of India, Coimbatore Chapter, on February 26, 2022. The resource persons were Mr. Ajinkya Lohakare, Chief Technology Officer, Ditto Security, Mumbai, Mr. Nikhil V. Chandran, Kerala Blockchain Academy, Indian Institute of Information Technology and Management, Kerala and Mr. S.B. Gowtham, Data Engineer, Data Dotz Technology Solutions, Chennai.

Department of Data Analytics (PG) organised a National Level Workshop on 'Data Analytics'. Mr. Deepak Kumar, Associate Vice President, Data Science, Karvy Insights, New Delhi, was the resource person.



A 'Centre of Excellence for Women Empowerment' was inaugurated on October 11, 2021 at our college by Honeywell International Inc., in association with ICT Academy as a CSR initiative. The programme was organised by the Department of Computer Science (UG). Ms. Seetha Lakshmi Nair, Sr. Community Relations Specialist & Head-CSR, Honeywell Hometown Solutions India Foundation, delivered the inaugural address. 110 Students gained knowledge on Robotic Process Automation.

## **VIDEO CONFERENCES**

The Department of Botany on January 3, 2022 conducted a video conference on the topic 'Phytomedicine - Using Plants as Medicine in Modern Era'. Prof. Sanjoy Kumar Pal, Head, Department of Biology & Microbiology, Skyline University, Nigeria, addressed scientists, faculty and students across India. Our students greatly benefitted from his vast and varied expertise.



The Department of Economics and General Library of our college hosted an international video conference on 'Attainment of Sustainable Development: Role of SDGs' on March 16, 2022. Dr. Sudha Mavuri, Dean of Arts, Management and Social Sciences, Skyline University, Nigeria, was the Guest of Honour. The speaker shared her insightful views on sustainable development and discussed the significance of economic growth and sustainable development. The speaker also highlighted the need for environmental awareness and holistic growth.

## **FACULTY DEVELOPMENT PROGRAMMES**

A five-day virtual Faculty Development Programme on 'FINTECH-Digital Transformation of Banking and Financial Service Sector' was organised by the Department of Commerce (Aided), B.Com CA & B.Com (e-com) from January 3 to 7, 2022. The resource persons for the FDP were Mr. P. M. Austin, CEO, EduCentral, and Mr. V. Devadoss, Chief Trainer at Edufly Staffing Solutions. The FDP helped the faculty members to understand the concepts such as Cryptocurrency, Blockchain, Artificial Intelligence and various applications of fintech.





The Department of BBA conducted an Online Five Day National Level FDP on 'Hybrid Teaching Learning' from November 29, 2021 to December 3, 2021. Dr. M. Vinay, Assistant Professor of Computer Science at Christ University, Bangalore, handled a session on the topic 'Digital Pedagogy'. Dr. Thiyagu Suriya, Assistant Professor, Central University, Kerala, handled a session on the topic 'AR & VR in Classroom Environment', and Dr. S. K. Kavitha, Assistant Professor, Department of Chemistry, Vellalar College for Women, Erode, Tamil Nadu, on the topic 'Activity-Based Learning'.

Faculty development programme on 'E-Filing' was conducted by the Department of B.Com A&F and BA from October 15 to 19, 2021. The resource person was Mr. J. Jayadev (Business Consultant), AJD Hub (Accounting and IT solutions), Coimbatore. Through this FDP, faculty members gained practical exposure to E - Filing and ITR Filing in income tax.



Department of B.Com PA and B.Com AM & FS in association with SEBI, organised a Three-Day Faculty Development Programme on 'Securities Market' from November 27 to 30, 2021. The resource person was Mr. S. Nagarajan, SmartTrainer, SEBI, Mumbai.

#### **Programmes Organised by B.Voc Beauty Therapy and Aesthetics**





#### Haircut

Mr. Rajasekar, Hair trainer and proprietor of Moving Edge Academy, Salem, demonstrated Advanced Haircut Techniques on 02.09.2021.

#### **Hair Colouring**

A Workshop on the 'Latest Hair Colouring' was conducted on 11.01.2022. The workshop was demonstrated by Mr. Sureshkumar, Matrix Technical Trainer, Bangalore.





#### **Facial Treatment**



Workshop on Advanced Treatment Facial was demonstrated by a trainer from Cherlys Cosmeceuticals on 15.02.2022

## **Programmes Organised by B.Voc. Garment Designing**



The Department of Costume and Apparel Design organised a workshop on 'Construction and Designing of Pleated Trousers and S B Vests' on March 17 &18, 2022. Mr. D. Babu, HoD of Worldwide College, Bangalore served as the resource person







Fashion Designers Association of the Department of Costume and Apparel Design organised a Faculty Development Programme on 'Innovative Application' from January 4 to 6, 2022. The resource persons were a mix of academicians and industrialists in the field of textile industry. The goal of the FDP was to introduce the innovations in the textile industry. Dr. S. Karpagam Chinnammal, Dr. S. Grace Annapoorani, Dr. R. Sucharitha, Dr. Ms. Rheela John, Dr. Ms. R. Sheela John and Mr. R. Ramesh Nair served as the resource persons for the FDP.

#### **'EVANZA' 22'**



Makeup and Hairstyle for all the models.

## 

## **CLUB ACTIVITIES** REMARKABLE SPORTS ACHIEVEMENTS









Ms. Nagajothi of II BA Economics performed Silambam continuously for 1 hour and 30 minutes on November 27, 2021at Hotel Poppy's, Madurai. She created two world records in Silambam, one registered in the Future Kalam's Book of Records and the other in the Universal Achievers Book of Records. She received the Future Kalam's Premium Award for being the first artist to perform multiple Silambam events for 90 minutes straight.



Ms. Niveditha V Nair of III BBA has been selected to represent the Indian Shooting Team for the Junior World Shooting Championship at Lima, Peru, South America. She is the only shooter to represent Tamil Nadu in this international shooting competition. Our Honourable Chief Minister and Sports Minister of Tamil Nadu appreciated Ms. Niveditha V Nair for her Achievement.

- S. Nandhini of II M.A. History bagged two gold medals in the triple jump and 100 m hurdle events in the 93<sup>rd</sup> Tamil Nadu State Senior Athletic Competition at Chennai. She created a better meet record with 13.81 seconds in the 100 m hurdles event. In the Bharathiar University Inter-Collegiate Athletic Meet, she set three new meet records in the Triple Jump, 100m Hurdles, and 4x100 Relay.
- Our athletes got the 'Overall Championship' in all the events in the 60<sup>th</sup> Coimbatore District Junior Athletics Championship 2021, the 35<sup>th</sup> Tamil Nadu Inter District Junior Athletic Championship 2021 and the 83<sup>rd</sup> Bharathiar University Inter Collegiate Athletic Meet.
- The boxing team got the 'Overall Championship' in all weight categories in the 4<sup>th</sup> South Zone Division Level Boxing Tournament and the Bharathiar University Inter-Collegiate Boxing Tournament.
- P. Subrajaa of III BA Economics has bagged 3 Gold Medals and 2 Silver Medals in the 8<sup>th</sup> National Ice Stock Championship 2022.
- The Taekwondo Team won 3 Gold Medals and 1 Silver Medal in the 3<sup>rd</sup> MK Classic Open International Taekwondo Championship 2021, and 14 Gold Medals. 6 Silver Medals and 2 Bronze Medals in the 2<sup>rd</sup> Inter State Open Taekwondo Championships 2021 at Andhra Pradesh.
- M. Sindhuja of III B.Com CA has won two gold medals, in the 4<sup>th</sup> South Zone Division Level Boxing Tournament and the Bharathiar University Intercollegiate Boxing Tournament, as well as two silver medals in the National Level Summer Ice Stock Championship - 2021 and in the 8<sup>th</sup> National Ice Stock Championship 2022.

#### **Fine Arts Association**

On March 16, 2022, the Fine Arts Association celebrated Women's Day **'YUVATHI 2022'**. Orchestra, Fusion Dance, Mime Show, and Fashion Walk events were held for the students.

## **Health Care Club**

#### **Rotaract Club**



The Health Care Club in collaboration with the Mahatma Gandhi National Council of Rural Education, MHRD, Hyderabad, conducted a plethora of activities for our college students, including 20 Days of Community Service on the Beat COVID online campaign for the Public. The Health Care Club also conducted 2 quiz competitions, a Fit India – Family Fitness Contest, a debate, 2 workshops, 1 symposium, and 13 awareness programmes.



The Rotaract Club organised a signature project 'Uravukku Uyir Kodupom' - a premarital guidance programme for college students in association with the Rotary Club of Coimbatore East on March 14,2022.

#### 



**'Tharkappu'**–a self-defence programme for college students in association with the Rotary Club of Coimbatore East, was organised on March 25, 2022. The session focused on creating general awareness regarding self-defence mechanisms and boosting the motto of being an independent woman. This event boosted the confidence of all the trainees. The session was handled by Shihan R. Rajan, Black Belt-VI Dan-Japan, Tamil Nadu Chief Instructor and Examiner, and his team.





On December 9, 2021, the Uyir Club conducted a 'Road Safety Awareness Programme'. Thiru. K. Sathiyakumar, Regional Transport Officer, Coimbatore (Central), created awareness among 200 Uyir Club students regarding road safety, helmet awareness, license & learner license registration rules and their importance in road travel. It was very informative for all the participants. The students interacted enthusiastically.



## Rural Women Technology Park (RWTP)

The RWTP has conducted 41 training programmes for rural women and students. They were trained in making millet cookies, areca plates, solar dehydration, banana fibre making, homemade chocolates, terracotta jewellery etc.

The Food Processing Technology and Management department conducted 'Chocolate Preparation Training Programme for the Rural women at RWTP' and trained them to prepare dark chocolate, milk chocolate and white chocolate.



RWTP products are marketed at the GRG Village Foods Stall at GRG Café

#### **Entrepreneurship Development Cell**



Entrepreneurship Awareness Camps (EAC) were conducted to inculcate a culture of innovation driven entrepreneurship through students' projects and to promote the development of science and technology knowledge based enterprises. Dr. N. Priyadharsini, Assistant Professor, Department of Physics, addressed the students and highlighted the above objectives.

The Entrepreneurship Development and Innovation Institution (EDII), Government of Tamil Nadu, along with EDII TN HUB of Bharathiar University, Coimbatore, conducted the 'TNSI 2021 Programme' for the fifth consecutive year in the Coimbatore region. TNSI-2021 is a flagship programme which will identify the student innovators and reward them for building minimum viable products to convert their ideas into start-ups. In this regard, an awareness programme was organised by the ED cell on December 16, 2021. Nearly 150 students submitted their ideas on the EDII, TN website. Four teams were selected for the Ideation Programme, and one team (Drisha S.K. and team) participated in the Boot Camp at Bharathiar University. The students were appreciated by the Vice Chancellor of Bharathiar University.

The National Level Awareness Programme (e-NLAP) on Entrepreneurship was jointly organised with MSME (as a part of Azadi Ka Amrit Mahotsav) by the Govt. of India on March 18, 2022. The programme drew nearly 180 students from the ED cell. Shri. M. Palanivel, Joint Director, MSME, and Ms. B. Kayalvizhi, Assistant Director, MSME, addressed the students about the MSME policies.



#### Incubation and Start-up Center



Objective - To facilitate the launch of startups by aspiring students and young women in the community through pre-incubation and incubation support, mentoring and infra structural support invarious thrust areas.

The start-up "Tesscentino Animation Studio" was inaugurated on August 3, 2021.

#### INSTITUTION'S INNOVATION COUNCIL (4 STAR STATUS 2020-2021)



- PSGRKCW has been selected as one of the mentor institutions under the Mentor-Mentee Programme 2021-22.
- Our institution selected schools for the Atal Tinkering Labs in Schools programme under the IIC-ATL Linkage to provide them with mentorship and handholding support to enable ATLs and thereby spread innovation and entrepreneurship activities in schools.
- The Internal Idea Hackathon was conducted on March 23, 2022. 15 teams out of 30 were shortlisted and made to participate in the Smart India Hackathon 2022.
- The Demoday on Business Plans and Prototypes was developed on May 20, 2022.
- II UG Mathematics (SF) students' proposal on 'The Development of Educational Gaming Kit for Autistic Children' has been selected by the screening committee of TNSI's annual innovation challenge and awarded with a cash prize of Rs. 1 lakh.

#### **QUIZ CLUB**

The inauguration of Quiz Club was on November 24, 2021. Mr. T. K. Kirubaharan, Director of Vivekanandha Academy, conducted an Orientation programme on 'Preparation for TNPSC and UPSC' through Zoom. An online quiz on 'Current Affairs' was conducted on March 17, 2022 for 110 participants. A Quiz on 'Vocabulation' was conducted on April 4, 2022.

## **YOUTH RED CROSS**

YRC conducted an awareness programme on Environmental Pollution Control on December 15, 2021. Mr. V . Sivadass, District Coordinator-NGC, EDC, Managing Trustee-NEST, MANAS Spiritual Organisation, Udhagamandalam, addressed the effectiveness of planting trees to control environmental pollution.

YRC conducted an Awareness programme on AIDS on December 30, 2021. The Chief Guest, Dr R. Vinodh, MBBS, D Ortho, Orthopedic Surgeon, Government Medical College and Hospital, Nilgiris, explained the advancements in safe and secure AIDS testing and medical innovations for AIDS patients.

#### **YUVA CLUB**

On November 1, 2021, a webinar, 'CHAT WITH CEO' was organised by the Yuva Club in collaboration with Yi Entrepreneurship. The Chief Guest was Mrs. Vaishnavi Janani from Trinetra Wireless.

On November 27 & 28, 2021, Hackathon-Finals were held at Kumaraguru Institute of Technology. The winners of the event were Ms J. Janani of II B. Com (SF) and S. Jozhika of II B.A. Economics. They presented their ideas on the topic 'Preventing Child Harassment by The Third Eye App' and received a cash prize of Rs. 2000/- as a special award for 'Project with potential for Social Impact'.



Hackathon-Finals held at Kumaraguru Institute of Technology



#### **GENDER CHAMPION CLUB**

The Centre for Women's Studies & Gender Champion Club (GCC) and Helphen jointly organised an online seminar on November 27, 2021. on the topic 'Financial Literacy-Easy Money Management'. Mr. Deepak Jain from FLAB India was the resource person.

#### WELL-BEING CAMPAIGNER CLUB

The Peer Presentation Series-I on Decoding Sleep was conducted from 04.12.2021 to 27.04.2022. The webinar was delivered by Ms. B. Dharunikaswari and Ms. R. Hemalatha of II BSc Psychology under the guidance of Mrs. K. S. Paviyazhini, Assistant Professor, Department of Psychology. The motive of this series is to spread awareness regarding various psychological well-being concepts among the student community.





Women's Day - Women's Health and Fitness Inaugural

The Department of Commerce and Well-Being Campaigner Club (WBCC) jointly celebrated Women's Day with the Tamil Nadu Physiotherapy Doctors Association (TPDA) on March 8, 2022 by organising a programme on 'Women's Health and Fitness' for faculty and students. The session was addressed by experts from the Tamil Nadu Physiotherapy Doctors Association - Dr. Divya Jayakumar, Dr. S. Monisha, and Dr. Sampoorna Bhuvanesh were the speakers.

#### **YOGA CLUB**

Yoga Club students participated in the Swachh Bharat Mission to keep the environment clean. Our students have taken the initiative to clean the public park, which is located in Shoba Nagar, Peelamedu, Coimbatore.



Vijay Diwas was celebrated on December 16, 2021. Nearly 70 members of the Yoga Club participated in selfdefence demonstration by doing continuous silambam steps to honour the victory of Indian armed forces over Pakistan in the 1971 War.



The Yoga Club organised Bhagavad-Gita Workshop for the students on April 22, 2022, in which nearly 400 students participated. Advocate Sree. V. Deepak, State Secretary-Bharathiyar Ithihas Sankalan Samithi, gave a speech on the history and development of our society and also on women's empowerment, to motivate our students.

## 

#### **NDLI Club**

The NDLI Club of our college has been chosen as one of the best performing clubs in recognition of our efforts in conducting reading and learning activities under NDLI.



#### **Readers' Forum**

International Education Day was celebrated by the Reader's Club by conducting DEBATOPEDIA on January 24, 2022 to enhance student's debating skills. The debate was held in three rounds and many social issues were discussed.

#### **UGC SPONSORED CENTRES**

#### **Centre for Women's Studies**

**TALENTINA '22** was conducted on April 26, 2022 to awaken the hidden talents of the students. Competitions like stand-up comedy, beatbox, mime, instrument playing, cat walking, rubik cube solving, dancing, singing and other talents were exhibited in a splendid manner.



Gallery Art Tech, The Art Competition was conducted for UG and PG students on May 5, 2022 to exhibit the hidden artistic talents of the students such as painting, drawing, pencil sketching, crafting, and portrait drawing.

Centre for Women's Studies and Gender Sensitization Committee against Sexual Harassment of our college took a pledge regarding 'Rejection of Social Evil Caused against Women and Children' in the campus on 12.10.2021 and 21.10.2021.

The Centre for Women's Studies and the Department of English (SF) organised a Webinar Series on 'Gender Equality' on October 7 & 9, 2021. The speaker, Ms. Meenakshi, Founder of Puvidhm School, lectured on Women's Role in Minimalism for the Nation's Sustainable Development. Ms. Pranavi Jay, Founder of HER-D, spoke on Women's Financial Liberation and Emotional Empowerment.

## Skill Training Organised

#### **Recognition of Prior Learning (RPL)**

The Recognition of Prior Learning (RPL Programme) sanctioned by the Tamil Nadu Skill Development Corporation under PMKVY 3.0. The programme was organised by the Centre for Women's Studies of our college. Two batches (23-I batch, 17-II batch) of candidates were enrolled in the Skill India Portal and trained as Sewing Machine Operators and Assistant Beauty Therapists and a single batch (21) as Hand Embroiderers.



#### **Skill Hub Initiative PMKVY 3.0**

The Ministry of Education and the Ministry of Skill Development and Entrepreneurship have envisioned setting up skill training hubs across the country. The 'Skill Hub Initiative' by the ministries under the PMKVY 3.0 scheme focuses on the introduction of skill training programmes in the education ecosystems. As a pilot project of UGC under the Ministry of Higher Education, our college has been selected to provide short-term vocational skill training for school dropouts for the courses:



**Sewing Machine Operator** 

**Assistant Beauty Therapist** 

#### **GANDHIAN AND DR. AMBEDKAR STUDIES CENTRE**

A webinar on 'Revisiting Gandhian Thoughts in the Present Scenario' was organised on October 12, 2021. Mr. B.A. Prabu Shankar, Forensic Science Advocate, Coimbatore, was the resource person. He narrated the importance of Gandhian values and thoughts to be followed and practised in the present scenario.

#### **GERIATRIC CARE CENTRE**

Our college, being a regional centre in Geriatric Care, organised a NISD (National Institute of Geriatric Care, New Delhi) sponsored three-day orientation programme on 'Geriatric Counselling' from March 21 to 23, 2022. Mrs. V. Hema, Psychologist, AGAM-The Mind Care Centre, Coimbatore, Mr. Fernando Ethelbert, Clinical Psychologist, Agal Neuro Psychiatry and De-Addiction Hospital, Coimbatore, Mrs. P. Sofia Helen Ponmalar, Assistant Professor at PSGRKCW, Ms. Janani, Clinical Psychologist, Grand World Elder Care, Coimbatore, Mr. B.A. Prabu Shankar, Advocate, Dr. Durai Pandi, Clinical Psychologist, and Mrs. W. Hilda Sahaya Rani, Assistant Professor, PSGRKCW were the resource persons. Various aspects related to Geriatric Counselling were discussed. This training was a residential programme. Twenty-five participants working in state and central government funded old age homes from eight districts of Tamil Nadu participated. This programme gave an insight regarding geriatric care to the participants.



#### RESEARCH

External/Internal	No of Projects	Amount in lakhs
Government Funded Research Projects	6	509
GRG Trust Research Projects	19	13.63

#### **Government Funded Research Projects (Ongoing): 6**

Department	Name of the Investigator	Title of the Project	Duration	Amount in lakhs	Funding Agency
Institutional Project	Dr. R. Dhivya	Agri-Clinics and Agri-Business Centres [AC&ABC] Scheme	2021*		National institute of agricultural extension management
Institutional Project	Dr.Chithra devi	BIRAC E-YUVA Centre	2021	266.50	Biotechnology Industry Research Assistance Council (BIRAC)
Institutional Project	Dr. TamilSelvi	RRSFP-BUILDER (Level 1)	2021	240	DBT
Individual Project	Dr. C.Nithya	Development of Pseudocapacitive based functional composite electrodes for sodium-ion batteries	2021	*	SERB
Individual Project	Dr. B. Thulasipriya	Performance Analysis of Agritech Startups and the Farmers' Perception - An Analytical Study	2021	2.5	ICCSR(Minor)
Individual Project	Dr. Charumathi Pushparaj	Autophagy	2021	*	The World Academy of Sciences
	Total	·		509*	

\* Final budget for some of the projects has not been sanctioned yet.

#### PRIDE OF OUR COLLEGE PATENTS GRANTED

Dr. N. Priyadarsini, Assistant Professor of Physics (Aided) has received the patent from Intellectual Property India for her invention of 'Mobile Bug'. She invented a device to detect the presence of cell phones in restricted areas such as examination centres.

#### **PSGR Krishnamal College** faculty's invention awarded patent



COIMBATORE

MAR 24 Dr. N. Priyadharsini, a faculty in the Department. of Physics, PSGR Krishnammal College for Women, Coimbatore has been granted a patent for an invention that could detect mobile phones commanicating through network antennas

Named as Mobile Bug. the invention detects the mobile phones performing

active communications in a prohibited area in a more accurate, reliable and cont- effective manner to stop minute. Till the last decade, all the mobile detectors were used to detect the cell phone signals in idle state according to a communication from the college

The communication adds that the tochnology behind the invention in to sense the cell phone signals with moto precision using analogy to digital transmission by microamtraffer

The patent was granted with the date of priority of July 18, 2012 with about 20 years validity. The Management, Secretary and Principal of the college appreciated the efforts of Dr. N. Privadhatsini who invented the device.



granted Patent for 'Mobile Bug'

A patent was granted in the name of "Mobile Bug" to Dr. N Priyadharsini, faculty from the Department of Physics, PSGR Krishnammal College for Women in Coimbatore.

**Dr. C. Sharmila**, Associate Professor and Head, Department of Physics (SF), was granted a patent titled, **'Polymer Composition for Packing Food Materials and Process'**. She has made an attempt to develop a biodegradable polymer sheet derived directly from natural sources, which is non-toxic to the environment and has the capacity to degrade easily.



#### SCOPUS Indexed Publications from January to December 2021

- 1. Recent development in preparation of food packaging films using biopolymers Suresh S., Pushparaj C., Subramani R. 25502166, Food Research, 5(6), 2021.
- Sensitivity enhancement of SPR sensor using Ni/ZnO nanocomposite assisted with grapheme, Maheswari P., Subanya S., Nisha A., Ravi V., Rajesh K.B., Jha R.3068919, Optical and Quantum Electronics, 53(12), 2021.
- Robust control design for delayed periodic piecewise time-varying systems with actuator faults Thilagamani V., Sakthivel R., Harshavarthini S., Satheesh T., Sasirekha R. 160032, Journal of the Franklin Institute, 358(18), 2021.
- 4. Controllability of higher-order fractional damped stochastic systems with distributed delay, Arthi G., Suganya K., Ma Y.-K.16871839, Advances in Difference Equations, 2021(1), 2021.
- 5. An Amalgam of Mg-Doped TiO2 Nanoparticles Prepared by Sol-Gel Method for Effective Antimicrobial and Photocatalytic Activity, Nithya N., Gopi S., Bhoopathi G. 15741443, Journal of Inorganic and Organometallic Polymers and Materials, 31(12), 2021.
- 6. Energy flux density for higher-order cylindrical vector vortex beam tightly focused through a dielectric interface, Lavanya M., Thiruarul D., Rajesh K.B., Mahadevan G., Velauthapillai D., Jaroszewicz Z. 9728821, Journal of Optics (India),50(4),2021.
- 7. Controllability of higher order stochastic fractional control delay systems involving damping behavior, Arthi G., Suganya K., 963003, Applied Mathematics and Computation (410)2021.
- 8. Finite-time stability of multi term fractional nonlinear systems with multi state time delay, Arthi G., Brindha N., Ma Y.-K., 16871839, Advances in Difference Equations, 2021(1)2021.
- 9. Isolation, Identification and Molecular Characterization of Endophytic Fungi from the leaves of Coelogyne species, and their role as an Antimicrobial agent, Akila Shree J., Krishnaveni C. 9743618, Research Journal of Pharmacy and Technology, 14(11),2021.
- 10. Studies on Syntheses, Spectral, Thermal and Hydrophobic Behavior of Cardanol Based Tetra Functional, Benzoxazines, Tj M., HariharanA., Balaji K., Alagar M. 0965545X, Polymer Science Series A,63(6,) 2021.
- Cobalt tetraphosphate as an efficient bifunctional electrocatalyst for hybrid sodium-air batteries, Murugesan C., Panjalingam S.P., Lochab S., Rai R.K., Zhao X., Singh D., Ahuja R., Barpanda P., 22112855, Nano Energy, (89), 2021.

- 12. Stock market volatility transmission and interlinkage: Evidence from brics Qamruzzaman, M., Kler R., Theivanayaki M., Karim S.23319712, Universal Journal of Accounting and Finance, 9(5), 2021.
- Ag-Ni bimetallic film on CaF2 prism for high sensitive surface plasmon resonance sensor, Nisha A., Maheswari P., Subanya S., Anbarasan P. M., Rajesh K. B., Jaroszewicz Z. 20802242 Photonics Letters of Poland, 13(3), 2021.
- Perlite impregnated with HPA/α-Fe2O3: Magnetically separable catalyst for the synthesis of 3, 3, 6, 6tetramethyl-9-substituted-3, 4, 6, 7-tetrahydro-2H-xanthene-1, 8-(5H,9H)-diones Lakshminarayanan K., Parasuraman A., Alam M., Ahmad N., Krishnakumar B., Raja A., Kang M.,223697, Journal of Physics and Chemistry of Solids, (157), 2021.
- 15. Molecular Insights on the Dihydrogen Bond Properties of Metal Borohydride Complexes upon Ammoniation, Arumugam S., Angamuthu A., Gopalan P. 21628769 ECS, Journal of Solid State Science and Technology ,10(9), 2021.
- 16. Controllability of non-linear fractional-order systems with damping behaviour and multiple delays, Arthi G., Suganya K. 2650754, IMA, Journal of Mathematical Control and Information 38, (3), 2021.
- Aminothiazolyl coumarin derivatives as effectual inhibitors to alleviate corrosion on mild steel in 0.5 M H2SO4, Mahalakshmi D., Saranya J., Benhiba F., Warad I., Zarrouk A., Chitra S. 0021891X, Journal of Applied Electrochemistry, 51(9), 2021.
- Complexes of criegee intermediate CH2OO with CO, CO2, H2O, SO2, NO2, CH3OH, HCOOH and CH3CH3CO molecules - A DFT study on bonding, energetics and spectra, Shyama M., Cheviri M., Mano Priya A., Lakshmipathi S. 2210271X, Computational and Theoretical Chemistry, (1203), 2021.
- Evaluation of structural, surface morphological and thermal properties of Ag-doped ZnO nanoparticles for antimicrobial activities, Ranjithkumar B., Ranjith Kumar E., Srinivas M., Ramalingam H.B., Srinivas C., Magesh G., Balamurugan A., Rahale C.S., ChandarShekar B., 13869477, Physica E: Low-Dimensional Systems and Nanostructures, (133), 2021.
- Efficiency Studies of Galinsoga Parviflora Pigments as a Sensitizer in Pt Free Graphene Oxide/Nickel Oxide Counter Electrode: Dye Sensitized Solar Cell Applications Shanmugapriya T., Balavijayalakshmi J. 10407278, Journal of Cluster Science, 32(5), 2021.
- Natural citric acid (lemon juice) assisted synthesis of ZnO nanostructures: Evaluation of phase composition, morphology, optical and thermal properties, Vandamar Poonguzhali R., Ranjith Kumar E., Sumithra M.G., Arunadevi N., Rahale C. S., Munshi A. M., Mersal G.A.M., El-Metwaly N. M., 2728842, Ceramics International, 47(16), 2021.
- 22. Maximum Independent Seidel Energy of a Graph, Mary U., Sreeja S.17426588, Journal of Physics: Conference Series, 1947(1), 2021
- Preparation and evaluation of N, N1-methylenebisacrylamide crosslinked polymer for the controlled release of water and fertilizer in agriculture sector, Dhanapal V., Subhapriya P., Arunadevi N., Radjarejesri S. 0094243X, AIP Conference Proceedings, 2352, 2021
- Theoretical investigation of intermolecular dihydrogen bonds in c2h2 hm and c2h4 hm (m = li, na and k) complexes: A DFT and ab initio study, Parimala Devi D.,Giju. T., Praveena G., Abiram A., 9707077, Asian Journal of Chemistry, 33(8), 2021.
- Study of Some Physicochemical Properties of Microwave-Sintered Al3+-Doped Ni-Zn Ferrites for Gas Sensor Applications, Sekhar E. C., Sreenivasulu M., Purushotham Y., Magesh G. 15571939, Journal of Superconductivity and Novel Magnetism, 34(8), 2021.
- Structural, conductivity and DFT studies of L-Histidinium phosphite Ferroelectric phosphite single crystal, Shanmuga Sundari S., Mano Priya A., Durairajan A., Valente M.A.224596, Journal of Solid-State Chemistry, (300), 2021.
- 27. Standardization of a protocol for micropropagation of Eupatorium glandulosum L. an important medicinal plant, Nithya V., Kamalam M. 1676857, Plant Cell, Tissue and Organ Culture , 146(2), 2021.
- 28. Microwave assisted synthesis of MoS2/PANI/ZnO nanocomposites as a working electrode for energy storage applications, Balavijayalakshmi J., Krithika S. 9707077, Asian Journal of Chemistry, 33(7), 2021.
- 29. Dye sensitized solar cell action of Sn(IV)tetrakis(4-pyridyl) porphyrins as a function of axial ligation and pyridine protonation, Jayachandran P., Angamuthu A., Gopalan P. 1735207X, Journal of the Iranian Chemical Society, 18(7), 2021.
- 30. Secure and Efficient Fire-fly Data Routing Algorithm for Wireless Sensor Networks in IoT Monitoring Systems, Kowsalya R., Rosiline Jeetha B., 17426588, Journal of Physics: Conference Series, 1917(1), 2021.

- Structural, optical, thermal, biological and molecular docking studies of guanidine based naphthoate metal complexes, Arunadevi N., Swathika M., Devi B. P., Kanchana P., Sundari S. S., Kirubavathy S. J., Subhapriya P., Kumar E. R., 24680230, Surfaces and Interfaces, (24), 2021.
- 32. Inhibitory effect of biowaste on copper corrosion in 1 M HCl solution, Hemapriya V., Chung I.-M., Kim S.-H., Prabakaran M., 23524928, Materials Today Communications , (27), 2021.
- Natural fuels (Honey and Cow urine) assisted combustion synthesis of zinc oxide nanoparticles for antimicrobial activities, Ranjithkumar B., Ramalingam H. B., Kumar E. R., Srinivas C., Magesh G., Rahale C.S., El-Metwaly N. M., Shekar B.C. 2728842, Ceramics International, 47(10), 2021.
- Characterization of potential plant growth promoting rhizobacteria isolated from rhizospheric soil of Banana (Musa paradisiaca L.) Gajalakshmi, K., Dhivya.K ,9736263, Research Journal of Biotechnology, 16(5), 2021.
- 35. Volume minimization of a closed coil helical spring using alo, GWO, DA, FA, FPA, WOA, CSO. BA, PSO and GSA Rejula M. J., Stephen S. E. A. 23322071, Mathematics and Statistics, 9(3), 2021.
- 36. On finite-time stability of nonlinear fractional-order systems with impulses and multi-state time delays, Arthi G., Brindha N. 26667207, Results in Control and Optimization, (2), 2021.
- 37. Quinoxaline derivatives as anticorrosion additives for metals, Saranya J., Lavanya K., Haritha Kiranmai M., Subbiah R., Zarrouk A., Chitra S. 3346005, Corrosion Reviews, 39(2), 2021.
- 38. Effects of Nd doping on structural, optical, morphological and surface-chemical state analysis of ZnO nanoparticles for antimicrobial and anticancer activities, Indumathi T., Theivarasu C., Pradeep I., Rani M.T., Magesh G., Rahale C. S., Kumar E. R., 24680230, Surfaces and Interfaces, (23), 2021.
- 39. Binary Metal Oxide Adsorbed Graphene Modified Glassy Carbon Electrode for Detection of Riboflavin, Grace A. A., Thillaiarasi S., Dharuman V. 10400397, Electroanalysis, 33(4), 2021
- 40. Predictive Models for River Water Quality using Machine Learning and Big Data Techniques-A Survey, Nair J. P., Vijaya M. S. Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS, 2021.
- Erratum: Electrochemical studies on crystalline CuS as an electrode material for non-aqueous Na-ion capacitors, (New J. Chem. (2020) 44 (5278-5284) DOI: 10.1039/C9NJ06465F) Goswami M., Nithya C., Sathish N., Kumar S., Singh N., Srivastava A.K., Kumar S. 11440546, New Journal of Chemistry, 45(11), 2021.
- 42. Synthesis, characterization of gelatin assisted ZnO and its effective utilization of toxic azo dye degradation under direct sunlight, Krishnakumar B., Alsalme A., Alharthi F.A., Mani D., Anandan K., Amutha P., Sobral A. J. F. N., 9253467, Optical Materials, (113), 2021.
- 43. Role of graphene oxide/yttrium oxide nanocomposites as a cathode material for natural dye-sensitized solar cell applications, Shanmugapriya T., Balavijayalakshmi J., 19322135, Asia-Pacific Journal of Chemical Engineering, 16(2), 2021.
- 44. Creation of one dimensional array of magnetic field by tightly focused phase modulated azimuthal and radial variant vector beam, Udhayakumar M., Lavanya M., Thiruarul D., Rajesh K. B., Jaroszewicz Z. 304018, Optics Communications, (482), 2021.
- Lemon juice (natural fuel) assisted synthesis of MgO nanorods for LPG gas sensor applications, Poonguzhali R. V., Ranjith Kumar E., Pushpagiri T., Steephen A., Arunadevi N., Baskoutas S. 381098, Solid State Communications, (325), 2021
- 46. Impact of Business Intelligence Adoption on performance of banks: a conceptual framework, Nithya N., Kiruthika R. 18685137, Journal of Ambient Intelligence and Humanized Computing, 12(2), 2021.
- Deep positional attention-based bidirectional RNN with 3D convolutional video descriptors for human action recognition, Srilakshmi N., Radha N. 17578981, IOP Conference Series: Materials Science and Engineering, 1022(1), 2021.
- 48. A survey on network intrusion system attacks classification using machine learning techniques, Deepa V., Radha N. 17578981 IOP, Conference Series: Materials Science and Engineering, 1022(1), 2021.
- 49. Multi-layer patch with aligned poly (acrylonitrile-co-acrylic acid) nanofibers for lactate detection in human sweat, Sathish Kumar G., Soorya V., Senthil Kumar R., Sivasubramanian R., Bhattacharyya A. 0167577X, Materials Letters, (283), 2021.
- 50. Inhibition of corrosion of mild steel by an alcoholic extract of a seaweed Sargassum muticum, Inhibicija korozije mekog čelika alkoholnim ekstraktom algi sargassum muticum, Jeslina V. D. A. M., Kirubavathy S. J., Al-Hashem A., Rajendran S. S., Joany R. M., Lacnjevac C. 3519465, Materials Protection, 62(4), 2021.

- Dopant-Free Main Group Elements Supported Covalent Organic-Inorganic Hybrid Conducting Polymer for Sodium-Ion Battery Application, Vedachalam S., Sekar P., Nithya C., Murugesh N., Karvembu R. 25740962, ACS Applied Energy Materials, 2021.
- 52. Inhibitive effect of an alcoholic extract of a seaweed sargassum muticum in controlling corrosion of mild steel in 0.5 n hcl, Jeslina V., Kirubavathy S.J., Al-Hashem A., Rajendran S., Lacnjevac C., Joany R.M.23056894, International Journal of Corrosion and Scale Inhibition, 10(4), 2021.
- 53. A scientific pharmacognosy on Gaucher's disease: an in silico analysis, Sasikumar, A.P., Ramaswamy S.K., Sudhir S. 9441344, Environmental Science and Pollution Research, 2021.
- 54. Targeting the ENV spike protein of HIV with naturally occurring compounds: an in-silico study for drug designing, Sreeram S., Sathishkumar R., Amritha P.S.26624052, Advances in Traditional Medicine, 2021.
- 55. Screening, detection and antimicrobial susceptibility of multi-drug resistant pathogens from the clinical specimens, Kabeerdass N., Krishnamoorthy S., Anbazhagan M., Srinivasan R., Nachimuthu.S., Rajendran M., Mathanmohun. M., 22147853, Materials Today Proceedings, (47), 2021.
- 2-Methylimidazolium pyridine-2,5-dicarboxylato zinc(II) dihydrate: Synthesis, characterization, DNA interaction, anti-microbial, anti-oxidant and anti-breast cancer studies, Sudha D., Vairam S., Sarathbabu S., Senthil Kumar N., Sivasamy R., Jone Kirubavathy S. 958972, Journal of Coordination Chemistry, 74(16),2021.
- Recurrent Neural Network Based Model for Autism Spectrum Disorder Prediction using Codon Encoding, Sudha V. P., Vijaya M. S. 22502106, Journal of The Institution of Engineers (India): Series B, 2021.
- 58. A Review on Classification and Retrieval of Biomedical Images Using Artificial Intelligence Greeshma K.V, Viji Gripsy J. 21991073, Internet of Things, 2021.
- Platinum Layers Sandwiched Between Black Phosphorous and Graphene for Enhanced SPR Sensor Performance, Pandaram M., Santhanakumar S., Veeran R., Balasundaram R. K., Jha R., Jaroszewicz Z. 15571955, Plasmonics, 2021.
- 60. Pharmacological effect of androgrophis paniculata in ammonium acetate induced hyperammonemia: A dose-dependent study, Chandran H., Anandhan D. K., Gunasekaran P., Babu V., Natesan V., Thilagar G., Arumugam R. 9716580, Toxicology International, 28(1), 2021.
- 61. Examining Volatility Spillover Between Foreign Exchange Markets and Stock Markets of Countries such as BRICS Countries, Singh D., Theivanayaki M., Ganeshwari M., 9721509, Global Business Review, 2021.
- 62. Predictable Mobility-Based Routing Protocol in Wireless Sensor Network, Sophia Reena G., Punithavalli M.23673370, Lecture Notes in Networks and Systems, (173), 2021.
- 63. Evaluation of gas sensor behaviour of Sm3+ doped TiO2 nanoparticles, Nithya N., Kumar E.R., Magesh G., Arun A.P., Abou-Melha K. S., Badr G., El-Metwaly N.M., Mersal G. A. M., Rahale C. S. 9574522, Journal of Materials Science: Materials in Electronics, 2021.
- 64. Synthesis and crystal growth of cadmium naphthoate crystal for second order non-linear optics and cytotoxic activity, Arunadevi N., Kanchana P., Hemapriya V., Sankaran S. S., Mayilsamy M., Balakrishnan P.D., Chung I.-M., Mayakrishnan P. 1932691, Journal of Dispersion Science and Technology, 2021.
- 65. Potential Utilization of a Weed Prosopis Juliflora Leaf Extract Nanoparticle for Dye Degradation and Antibacterial Activity, Sahithya S., Krishnaveni C.18635520, Environmental Science and Engineering, 2021.
- 66. Microbiome Analysis of Pesticide Contaminated Soils Its Impact on the Microbial Isolates, Sowmiya Sri S., Suji V., Sophia Reena G. 18635520, Environmental Science and Engineering, 2021.
- 67. Impact of Water Quality on the Anatomical and Histochemical Characteristics of Eichhornia Crassipes, MadhuBala D., Narmathasri J., Priyadarshini V., Saranya S., Sneka S., TamilSelvi K.S.18635520, Environmental Science and Engineering,2021.
- 68. Novel QR Code Tagging System for Campus Vegetation to Promote Ecorestoration, ChahanaV.E., Abirami S., Karpagavalli S., Arunpriya C. 18635520, Environmental Science and Engineering, 2021.
- 69. Analysis of Microbial Isolate from Contaminated Street Food with a Potential to Degrade Food Waste, Swathi Priya S., Shanmuga Priya C., Maria Shyla J. 18635520,Environmental Science and Engineering 2021.
- Evaluation of the Synthesized Novel Iridium (III) Complexes Against HeLa Cell Lines Through In-Silico, In-Vitro and DNA Nicking, Priyadarshini G. S., Muthusankar A., Subramani R., Gopal S., 15137368, Asian Pacific Journal of Cancer Prevention, 22(2), 2021.
- Nano-hydroxyapatite (HAp) and hydroxyapatite/platinum (HAp/Pt) core shell nanorods: Development, structural study, and their catalytic activity, Murugesan M., Krishnamurthy V., Hebalkar N., Devanesan M., Nagamony P., Palaniappan M., Krishnaswamy S., Yuan A.84034, Canadian Journal of Chemical Engineering, 99(1), 2021.