

**Research Cell**  
**Research activities /Programs**  
**(2023-2025)**  
**in continuation.....**

# 3<sup>rd</sup> Academic & Research Review Committee (ARRC-2024-2025)

**3<sup>rd</sup> Academic & Research Review Committee (ARRC- 2025-2026)**  
GEMS Arts & Science College (Autonomous)  
Ramapuram, Malappuram Kerala

|   |  |   |  |
|---|--|---|--|
| <b>Chairman</b><br><br><b>Dr. B. G. Unni</b><br>(Director Academic and Research)                         | <b>Member Secretary</b><br><br><b>Dr. Naveen Mohan</b><br>(Principal GEMS Arts and Science College)                             | <b>Joint Member Secretary</b><br><br><b>Mr. Mohammed Navas</b><br>(Vice Principal)                        |  |
| <b>Member Expert</b><br><br><b>Dr. R. Dinesh</b><br>(Director ICAR-Indian Institute of Spices, Calicut.) | <b>Member Expert</b><br><br><b>Dr. K V Suseela</b><br>(Professor of Microbiology Amala Institute of Medical Sciences, Thrissur) | <b>Member Expert</b><br><br><b>Prof. N.P Hafiz Mohammed</b><br>(Former Prof. of Sociology, Farook college) | <b>Member Expert</b><br><br><b>Prof. Dr. A Hameed</b><br>(Head & Professor Dept. of Education, University of Calicut) |
| <b>Permanent Invitee</b><br><br><b>Mr. Vasudevan .M</b><br>(Vice chairman - GEMS Ltd)                   | <b>Permanent Invitee</b><br><br><b>Mr. PT Hamza</b><br>(Director, Board of Directors)  | <b>Member</b><br><br><b>Ms. Laila.VN</b><br>(Director - Board of Directors)                              |  |
| <b>Member</b><br><br><b>Mr. Sivakumar . K</b><br>(HOD Commerce)  | <b>Member</b><br><br><b>Mr. Sandeepan K.M</b><br>(HOD Management Studies)   | <b>Member</b><br><br><b>Mrs. Sulthana Afroza</b><br>(HOD English)  | <b>Member</b><br><br><b>Dr. Sandhya Balakrishnan</b><br>(HOD BCA)   |
| <b>Member</b><br><br><b>Mr. Anoo Babu</b><br>(HOD Computer Science)                                    | <b>Member</b><br><br><b>Mr. Muhammed Binshad</b><br>(HOD Multimedia)  | <b>Member</b><br><br><b>Mrs. Rasna N K</b><br>(HOD Microbiology)   | <b>Member</b><br><br><b>Mrs. Ranjusha V P</b><br>(HOD Biotechnology)  |
| <b>Member</b><br><br><b>Mr. Abdul Rahman</b><br>(HOD Geology)  | <b>Member</b><br><br><b>Mr. S. Anitha Parveen</b><br>(HOD MSW)  | <b>Member</b><br><br><b>Mrs. Arathy P Rajan</b><br>(HOD BTM)   | <b>Member</b><br><br><b>Mr. Abhin PC</b><br>(HOD Sociology)   |

## Brief Report on Sixth Academic and Research Review Committee meeting held at GEMS Arts and Science College (University of Calicut) on 7th December 2025



External members of ARRC Addressing at the meeting



Felicitated Prof.(Dr).Indira Devi ( External Member of ARRC)

The Sixth Academic and Research Review Committee meeting of GEMS Arts and Science College was held on 07th December 2024 from 10:30 AM onwards at GEMS

Theatre, Library and Research Centre at the college campus. The Chairman of the college Sri. Manjalamkuzhi Ali could not attend the meeting at the beginning , however



**Members of 3rd ARRC**

he joined the meeting in between, and spent time with the external experts for some time. The 6th ARRC meeting was initiated by Dr.BG Unni, Chairman of ARRC & Director Academic &research by briefing the summary of the progress of the college in both academic and research front for the last one year (Jan to November 2024). Dr. Naveen Mohan, Member Secretary ARRC & Principal, presented the overall progress of the college in terms of academics, research, initiation of add on courses, certificate courses and infrastructure development of the institution. Few selected students were presented in brief about their concepts and ideas from their respective areas at the meeting. Few patent ideas were also initiated from the students projects work and that was also presented by the faculties .The progress of academic and research activities of each department, and future action plan were presented by the respective Head of the Departments.. Achievements of the faculties and students in academic/sports and extracurricular activities were detailed by Dr.Finose A, IQAC Coordinator &Asst Professor of GEMS Arts and Science College. The external experts (Prof.Dr. P. Indira Devi, Emeritus Professor, Former Director of Research, Kerala Agricultural University, Prof.Dr. N P Hafiz Mohammed, Professor, Department of Sociology, University of Calicut, and Dr. A Hameed, Professor, Department of Education, University of Calicut ) were satisfied with the progress that the institution has made during the period. The put forward large number of suggestions and recommendations for the college in terms on short term and long termbasis.The 6th ARRC meeting was the last sitting of 3rd ARRC ,and two of the external members namely Prof P,Indira Devi and Prof Anitha PM , for them, it was the last sitting of the meeting. On behalf of the ARRC, the Chairman ARRC



Dr.BG Unni appreciated their continuous effort and advice for the committee in both academic & research activities of the college since its inception, and also appealed to them for their continuous support in the coming period too. As a token of appreciation a beautiful memento was presented to them by the members of the 3rd ARRC at the function. Prof Indira devi in reply to that thanked the college management and ARRC for her nomination to serve in the ARRC, and also assured that the same will continue in future too whenever the institution needed their support

Sri Vasudevan M, Vice chairman, felicitated the gathering and delivered the concluding remarks of the meeting. He also asserted all the departments work together for the progress of the institution. Shri P T Hamza, Director, GEMS Arts and Science College, felicitated the gathering and appreciated the progress of the college at every level. The meeting ended with a vote of thanks delivered by Dr.Nayana P, Research Officer, GEMS Arts and Science College.

### **Brief Report on Seventh Academic and Research Review Committee meeting held at GEMS Arts and Science College (Autonomous) on 5<sup>th</sup> July 2025**



**External members of ARRC Addressing at the meeting**

The Seventh Academic and Research Review Committee meeting of GEMS Arts and Science College was held on 5<sup>th</sup> July 2025 10:30 AM onwards at GEMS Theatre, Library

and Research Centre at the college campus. The Chairman of the college Sri. Manjalamkuzhi Ali could not attend the meeting at the beginning, however he attended the meeting in between, and appreciated the efforts of the faculties and also talked about the current status of the college, and spent some time at the review meeting. The 7<sup>th</sup> ARRC meeting was initiated by **Dr.BG Unni, Chairman of ARRC & Director Academic & research** by briefing the summary of the progress of the college in both academic and research front for the period December 2024 to June 2025. **Dr. Naveen Mohan, Member Secretary ARRC & Principal**, presented the overall progress of the college in terms of academics, research, and also talked about the progress of the college from its inception in yearwise. One of the student from Commerce department presented in brief about the



**Faculties and the Members of the 3<sup>rd</sup> ARRC (7<sup>th</sup> meeting) attended the meeting**

concepts and ideas that was earlier presented at the student development program.. Patents published, accepted for filing and under process for filing to NRDC were presented by the respective faculties.. Thereafter projects prepared and submitted to various funding bodies, projects granted under seed money sanctioned by the college management and projects sanctioned by Department of Biotechnology under a special scheme were also presented by the respective faculties at the meeting..The progress of academic and research activities of each department, and future action plan were presented by the respective Head of the Departments..The external experts ( Dr.R.Dinesh, Director ICAR-Indian Institute of Spices Research, Calicut and Prof K.V Suseela Professor of Microbiology, Amala Institute of Medical Sciences, Thrissur )were satisfied with the progress that the institution has made during the period. They put forward few suggestions and recommendations for the college in terms on short term and long term basis.Prof. Dr. N P Hafiz Mohammed, Professor, Department of Sociology, University of Calicut, and Dr. A Hameed, Professor, Department of Education, University of Calicut could not attend the meeting. The 7<sup>th</sup> ARRC meeting was the first sitting of 3<sup>rd</sup> ARRC.

Sri Vasudevan M, Vice- Chairman, felicitated the gathering and delivered the concluding remarks of the meeting. He also asserted all the departments work together for the progress of the institution. He also emphasized the importance of seeking guidance from Dr.BalagopalanUnni for the personal development of the faculty members, and the overall growth of the institution. Dr.BalagopalanUnni released his book entitled 'A Village Boy to



### **Released a book written by Dr.BalagopalanUnni**

a Chief Scientist – Journey of My Life' on the occasion of the 7th Academic and Research Review Committee (ARRC) meeting. The meeting ended with a vote of thanks delivered by Dr.Nayana P, Research Officer, GEMS Arts and Science College.



### **Department of Biotechnology Govt of India awarded a project to GEMS Arts & Science College (Autonomous) under the scheme POPULAR LECTURE IN BIOTECHNOLOGY**

The Department of Biotechnology Govt of India approved and sanctioned a project entitled - "Popular Lectures in biotechnology" by Experts for popularization of

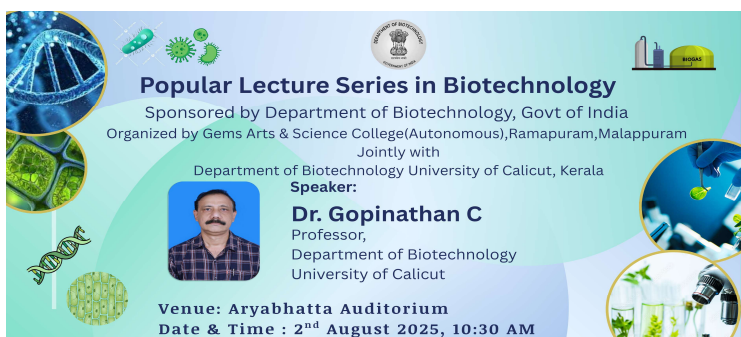


biotechnology for financial assistance from Institutions / Universities which are actively working in the research area of Biotechnology. The Popular Lectures in biotechnology by experts will be organized for students from schools, colleges, universities & also for the general public to bring general awareness among them about the basic concepts, recent advances & potential of modern Biology & Biotechnology.

This lecture series being the most innovative event, aims to provide an open and stimulating scientific exchange that will give all the participants a good opportunity to share their experiences, Foster collaboration across industry and academia and evaluate emerging technologies in various aspect of biology and Biotechnology. The college will be organizing a series of three lectures in this financial year, two by external experts and one by an internal expert. Out of the three lectures, at least one lecture will be organized in the local language (Malayalam) mentioned by the Director Academic & Research of the college. All the lecture series were arranged in August 2025 at the Auditorium, Biotechnology Department University of Calicut and other two lectures at the auditorium of St Mary's college, Thrissur in October 2025

**GEMS Arts & Science College (Autonomous) jointly with Biotechnology Department, Calicut University organized the First Lecture Under the Scheme “ Popular Lecture Series in Biotechnology “ Sponsored by Department of Biotechnology , Government of India on 2<sup>nd</sup> August 2025 at Calicut University**

GEMS Arts and Science College, in collaboration with the Department of Biotechnology, University of Calicut, successfully conducted the **first lecture in the Popular Lecture Series**, sponsored by the **Department of Biotechnology (DBT), Government of India**, at the University of Calicut on 2<sup>nd</sup> August 2025 . The program was held at the Aryabhata auditorium , University of Calicut, and it was inaugurated by the Prof. ( Dr.) P.Raveendran, Vice Chancellor Calicut University..







**Officials and the Vice Chancellor addressing the participants**

The lecture was delivered by **Prof. C. Gopinathan**, Department of Biotechnology, on the topic **“High Rate Biomethanation: Scale-Up Issues and Opportunities.”** In his talk, Prof. Gopinathan discussed the potential of biomethanation as a sustainable waste-to-energy technology and highlighted the critical challenges faced during the scale-up process of biomethanation systems. He elaborated on the design of bioreactors, microbial efficiency, energy recovery, and the need for innovation to make large-




**The students participants**

**Prof Gopinathan delivering the lecture**

scale biomethanation commercially viable and environmentally friendly. The lecture marked an important step in promoting awareness of advanced biotechnological applications and encouraging interdisciplinary dialogue. The Popular Lecture Series aims to bring together experts and learners on a common platform to discuss contemporary scientific issues and foster a spirit of inquiry.

The lecture was very much appreciated by the students of nearby schools, colleges and the faculties attended the function. Prof. Anu Joseph Head of the Department Biotechnology, other faculties, Dr.SandhyaBalakrishnan Principal Investigator of the project, and Dr.AFinose Director IQAC along with the faculties from GEMS college also attended the function. The session was well-received and appreciated by all attendees for its relevance and academic depth.

**Mini projects (Seed money Grants) awarded to selected faculties by  
the Management for the year 2025**

| Principal Investigators  | Project Title  | Project No      | Duration   | Amount Sanctioned |
|--|--|-----------------|--|-------------------|
| <br><b>Irshad .P Assistant Professor Commerce</b>           | Exploring effective compensation management practices in Kerala : Strategies,Challenges ,and impact on employees performance.                          | GEMS/SM/02/2025 | 1 Year (1 <sup>st</sup> June 2025 to 31 <sup>st</sup> May 2026 | Rs.25000/-        |
| <br><b>Ms.Shameema .M Assistant Professor, Microbiology</b> | Isolation and Characterization of Endophytic Microorganisms from <i>Strobilanthes alternata</i> and Evaluation of Their Bioactive Compound Activities. | GEMS/SM/03/2025 | 1 Year (1 <sup>st</sup> June 2025 to 31 <sup>st</sup> May 2026 | Rs.25000/-        |
| <br><b>Dr.Sijimol .K Assistant Professor Biotechnolog</b>  | The targeted and non –targeted metabolite identification in Cinnamomum species of the Western Ghats  | GEMS/SM/05/2025 | 1 Year (1 <sup>st</sup> June 2025 to 31 <sup>st</sup> May 2026 | Rs.25000/-        |
| <br><b>Ms.Resna NK AssT.Prof. Microbiology</b>            | Mushroom cultivation from small scale to large for rural women   | GEMS/SM/01/2025 | 1 Year (1 <sup>st</sup> June 2025 to 31 <sup>st</sup> May 2026 | Rs.25000/-        |
| <br><b>Mr.AbdulRahmanCV, Asst.Prof.Geology</b>            | Delineating the Groundwater potential zones and sites for artificial recharge in Puzhakkattiri Panchayat.  | GEMS/SM/04/2025 | 1 Year (1 <sup>st</sup> June 2025 to 31 <sup>st</sup> May 2026 | Rs.25000/-        |

**Other programs :**

**GEMS Arts & Science college (Affiliated University of Calicut) celebrated the prestigious Seventeenth Foundation day along with Thirteenth**

## Chairman's lecture on 27<sup>th</sup> Feb 2025



Foundation Day speech in Hybrid mode





### **Certificates of appreciation and awards were distributed to Students, Teaching and Non-teaching staff**

The Research Centre, in collaboration with the Internal Quality Assurance Cell (IQAC), successfully organized the **17<sup>th</sup> Foundation Day of the college** jointly with **13<sup>th</sup> Chairman's Lecture** on **27<sup>th</sup> February 2025 at 2:30 PM onwards** in **GEMS Theatre**. The event was conducted in **hybrid mode**, allowing both in-person and virtual participation. The event commenced with a welcome address by **Dr. Naveen Mohan, Principal**, who highlighted the institution's journey and achievements. This was followed by a brief inspiring speech by **Sri. Vasudevan , Vice Chairman**, who reflected on the college's growth and commitment to academic excellence. A key highlight of the celebration was the **Chairman's Lecture Series**, introduced by **Dr. BalagopalanUnni, Director-Academic and Research**, who provided insights into the significance of the lecture series in fostering research and learning. The occasion marked another milestone in the institute's journey of academic excellence, research, and innovation. **The speaker, Dr. C. Anandharamakrishnan, Director, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Trivandrum** delivered the speech on Foundation Day. The title of his talk was "Science, Technology and Innovation for a Sustainable Future" His insightful lecture focused on key advancements in sustainable energy, food technology, and climate change, providing valuable knowledge to the attendees. Dr.C. Anandharamakrishnan delivered an engaging and thought-provoking talk covering various critical areas of scientific research and sustainability such as :Climate Change & Human Impact: A paradigm shift from the idea that "Climate is changing" to the realization that "We have changed it.", Green Hydrogen Production,; Utilization of wastewater for sustainable hydrogen





### **Certificates of appreciation and awards were distributed to Students, Teaching and non-Teaching staff**

production, Second-Generation (2G) Ethanol: Potential applications in biofuel and energy sustainability, Indoor Light Harvesting & Bioenergy: Innovations to enhance renewable energy utilization., Food for Energy: Exploration of food-based energy solutions for sustainable consumption, 3D & 4D Food Printing: Cutting-edge advancements in food processing and production techniques., Engineered Gastrointestinal ARK System @ NIIST: A breakthrough in human digestive health research, Waste Valorization: Transforming waste into valuable products through sustainable practices, Biodegradable Products from Agro-Residues: Reducing plastic dependency through eco-friendly alternatives. GHG, Emissions from Food Production: Addressing greenhouse gas emissions associated with food industries, Meat Analogues & 3D-Printed Meat: Innovations in sustainable food alternatives., Global Packaging Scenario: Challenges and advancements in packaging materials, Plastic & Metal-Based Packaging Concerns: Environmental impact and possible alternatives, Strategies to Promote Sustainability: Solutions for reducing industrial and environmental footprints and Energy Reduction Technologies: Advances in energy-efficient industrial processes.



### **Launch of “GEMS Nexus”, a journal of diverse disciplines**

The event witnessed active participation from faculty members, researchers, and students, both physically and virtually. Attendees had the opportunity to engage in an interactive question and answer, where Dr. C.Anandharamakrishnan addressed their queries regarding green energy solutions, food technology advancements, and sustainable industrial practices. The lecture was highly appreciated for its relevance to contemporary global challenges, particularly in the domains of renewable energy, climate change mitigation, and sustainable food systems. The insights shared during the session sparked discussions on innovative research opportunities within the institute. The event also witnessed the launch of “GEMS Nexus”, a journal of diverse disciplines, which aimed to publish book chapters in interdisciplinary subjects.

Certificates of appreciation and awards were distributed to Students, teaching and non-teaching staff for their commendable efforts in various institutional activities and programs. The recipients were acknowledged for their excellence in academic performance, administrative support, extracurricular activities, and overall commitment to institutional growth. Sri. P.T. Hamza, Director, Board of Management of the college delivered an inspiring felicitation speech, highlighting the significance of teamwork, dedication, and continuous learning in an academic institution. He emphasized the importance of recognizing and rewarding the hard work of staff members as a means of motivation and encouragement. Dr. Finose A, IQAC Coordinator concluded the event with a heartfelt vote of thanks. He expressed gratitude to the organizing team, dignitaries, faculty, and staff for their active participation and contribution to the success of the foundation day function. He also extended appreciation to the management for their support in organising the program.

**14<sup>th</sup> Chairman's Lecture Series organized by GEMS Arts & Science College (Autonomous) Malappuram, Kerala on 28<sup>th</sup> June 2025(via Google meet) 11. 00 am onwards**

GEMS Arts & Science college organized **Fourteenth Chairman's Lecture Series on 28<sup>th</sup> June 2025** via online mode. The program started with a welcome speech by Dr. Naveen Mohan, Principal, GEMS Arts and Science College. The Academic and Research Director, Dr. BG Unni spoke in brief about the origin of the chairman's lecture series and its importance to participants. He introduced briefly about the distinguished chief guest of the day, Prof. V. Bharathi Harishankar PhD, FRSA (UK), Vice Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed University), Coimbatore, Tamil Nadu. The topic of her lecture was on “Bridging the skill gap”. Prof. (Mrs) Bharathi began the session by giving an idea about the need for improving communication skills in students. She emphasized how language is used for communication, learning languages sometimes, just for communication alone. She pointed out the importance of content in communication and should combine skills and communication that should be reflected in a career. She also highlighted why Indian graduates fail in their domain during placements due to the lack of communication skills.

**14<sup>th</sup> Chairman's Lecture Series**

**GEMS Research Centre in Association with Society of Biological Chemists - India, North East chapter**

**TOPIC :**  
**"Bridging the Skill Gap"**

*" Higher Education Institutions play a critical role in transforming students into professionals with skill sets that meet the demands of academia, industry and society. The presentation will delineate the types of skills that are handy tools for our graduates. It will also propose a capacity building model that would foster just in time skilling as well as upskilling for a life long learning experience "*

**SPEAKER :**



**Prof Dr. Ms.V. Bharathi Harishankar FRSA (UK)**

Vice Chancellor  
 Avinashilingam Institute for Home Science and Higher Education for Women (Deemed University)  
 Coimbatore ,Tamil Nadu

28 June 2025 11 am

GEMS THEATRE Hybrid Mode

**GEMS ARTS AND SCIENCE COLLEGE (Autonomous)**

NAAC Accredited(First Cycle) A Grade | An ISO 9001: 2015 Certified Institution  
 Ramapuram, Malappuram Kerala



"and how to compensate for the above. Besides communication skills, body language had an important role in communication. With the advancement of technology, various skills can be acquired through the internet and software. She cited an example like 20 years ago: she had undertaken a project involving internet access for elderly women in Tamil Nadu and conducted online programs for various sessions in telemedicine. Moreover, competency skills help to use particular skills in a creative and innovative

manner, she mentioned. She shared the information that the university has adopted a policy to use various AI tools to use the existing skills in a competent manner. She inspired the participants by mentioning a story in which a tribal woman could speak different languages fluently even though she was not taught by anyone, her enthusiastic approach made to gain knowledge in her own way. The presentation delineated the types of skills such as domain based certifications, communication skills, soft skills and life skills that are now the handy tools for the present generation . The speaker also proposed a capacity building model that would foster just in time skilling as well as upskilling for a life long learning experience.

Vice Chairman and Dr. Naveen Mohan had a greater interaction with the speaker. Mr. Vasudevan Master, Vice Chairman, GEMS Arts and Science College gave felicitation to the program, and he addressed the gathering how the session was helpful to the participants. A brief concluding remark and the importance of her lecture as on today related to skills was summarized by Dr.BG Unni. The lecture was attended by the faculties of GEMS college ,as well as had a wide range of participation from other institutions and academic institutions . The Chairman's lecture series are always very much essential to improve the quality of the academic level, and will also provide an opportunity for the faculties and students to interact with the experts from India and abroad to enrich their knowledge. The session ended with the vote of thanks by Dr. Finose A, IQAC Coordinator, GEMS Arts and Science College

### **Faculty Development Program : Seminar by the Faculties**

Lecture series by the faculties of the college for the faculties are being regularly organized every two weeks intervals on Saturday Our college has currently enrolled more than 80+faculties comprising more than 14+ disciplines. All these faculties are encouraged to give lectures of their own choice on every friday. The name of the faculties in order will be chosen based on lottery basis and each faculties selected in the order will be requested to prepare a topic in their area for presentation at the college on every Friday during lunch break.(The timing for each lecture will be for 25 minutes and 5 minutes for the interaction). The Best Speaker from 2 semesters will be evaluated based on the subject of the lecture, in depth knowledge in the subject, confidence of the



speaker and how best the faculty is at the time of presentation and interaction amongst the audience. The whole process is being evaluated by a committee comprising of 4 members (one Subject - External subject Expert from a Government Institution/college or University nearby, Head of the respective department of the faculty, another non subject expert from the same college and the entire program will be coordinated by Director Academic & Research, in his absence it will be coordinated by Principal or vice principals of the college. The total score will be in 100 and divided under four sections such as (The novelty of the idea, Quality of the work/Slides and Presentation, In depth Knowledge of the subject and Ability in interaction/ Question Answer Session.) The best speaker among this ( Two semester) will be selected based on the maximum scorer and honored /felicitated during the foundation day of the college every year. This program is going on since 2021.

Speaker: Shana Parveen TT

Assistant Professor ,PG Department of Microbiology ,GEMS Arts and Science College, Ramapuram ,

E-mail: parveen889@gmail.com ,Mobile: 8891601668

TOPIC: HUMAN MICROBIOME AND HEALTH Date : 20-03-2024

Dr.ReshmiS ,

Assistant Professor ,PG Department of General Biotechnology ,GEMS Arts and Science College ,Ramapuram,Date: 16th August 2024

TOPIC: BIOPRINTING AND BIOINKS - A NEW PARADIGM FOR 3D ORGAN DEVELOPMENT

Arathy P Rajan ,

Head of the department and Assistant Professor,Department of Travel and Tourism Management ,GEMS Arts and Science College, Ramapuram ,Date: 3rd October 2024

EXPLORING DIVERSE FORMS OF TOURISM:A COMPREHENSIVE OVERVIEW

Ms. Resna N K ,

Assistant Professor and Head ,PG Department of Microbiology ,GEMS Arts and Science College

Ramapuram,Date: 25th October 2024

SUSTAINABLE BIOREMEDIATION TECHNIQUES

Mr. Naveen Krishna M ,

Assistant Professor ,PG Department of Applied Geology ,GEMS Arts and Science College ,Ramapuram,Date: 22nd November 2024  
TOPIC: LATERITE - MORE THAN A BUILDING STONE

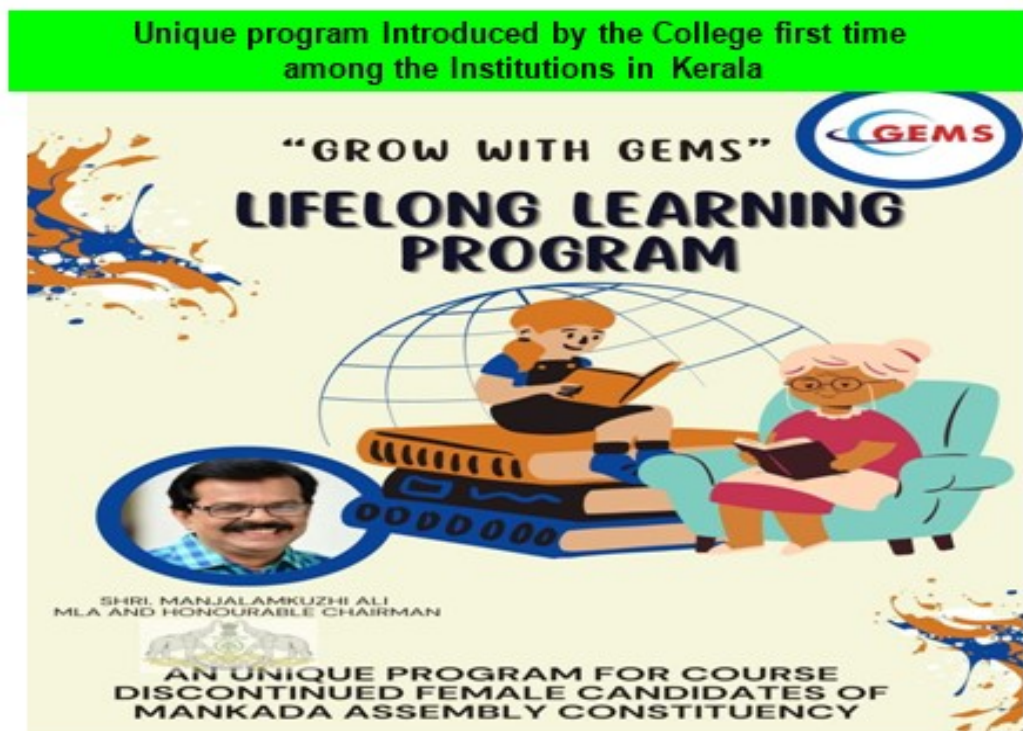
SARITHA A ,  
Assistant Professor ,PG Department Commerce ,GEMS Arts and Science College ,Ramapuram  
Date: 6TH DECEMBER 2024  
FUNDAMENTAL CONCEPTS UNDER INCOME TAX ACT 1961 AND THE RESIDENTIAL STATUS

VIJAYESH BABU P ,  
Assistant Professor ,PG Department of English Language and Literature ,GEMS Arts and Science College ,Ramapuram,05th February 2025  
OBJECTIFICATION OF WOMEN, SEXUALIZATION AND STEREOTYPES IN ADS

Dr. SANDHYA BALAKRISHNAN P K ,  
Assistant Professor & Head, Department of Computer Applications, GEMS Arts and Science College, Ramapuram,12th July 2025  
TOPIC: OCR AND EDGE COMPUTING- EDGE OCR SOLUTIONS

Nimmi Ayyappan Parambil  
Assistant Professor Department of Sociology GEMS Arts and Science College(Autonomous),Ramapuram 26th July 2025  
Topic - Tears of Tradition: A Feminist Analysis of Ceremonial Weeping as Women's Emotional Labour in Ritual Practice

Ms. ShibilaA  
Assistant Professor PG Department of English Language and Literature GEMS Arts and Science College (Autonomous) Ramapuram Malappuram 9 th August 2025  
Topic: Gendered Spectacles: Reading



**Brief report on a meeting with officials of UCSI University Kuala Lumpur, Malaysia held on 14th August 2024 held at the Dean's office UCSI campus, Kuala Lumpur.**  
A special meeting was arranged in connection with International collaboration with GEMS Arts and Science College (University of Calicut) and UCSI University Kuala Lumpur



**Meeting at Dean's office UCIS Campus, Kuala Lumpur**

**The following officials attended the meeting :-**

**Prof.Dr.Mogana S Rajagopal** dean Department of Pharmaceuticals Biology,  
**Dr. Ravishankar Ram Mani** Head of the Research ,  
**Dr.MohammedJuanaidFarrukh** Head of the Praxis ,Industry And Community Engagement /Department of Clinical Pharmacy .  
**Prof.Dr. SaadTayyab** Department of Pharmaceutical Science ,  
**Dr.KushagraKhanna** Department Pharmaceutical Technology and  
**Dr.BG Unni** Director, Academic Research ,GEMS Arts and Science CollegeMalappuram, Kerala India.

The Dean explained in brief about the details of UCSI university – One of the world ranking Universities, and also discussed various activities undertaken by the Department of Pharmaceutical Science UCSI. She mentioned some of the points mentioned in the draft copy of MoU prepared by Director Academic and Research . The dean also introduced other officials attending the meeting to the Director, Academic & Research The Director Academic & Research explained briefly about the GEMS Arts & Science College and other Institutions represented by him ,and also explained the Research and Academic activities



### **Token of Appreciation to Director Academic & Research by the Officials of UCSI University after the meeting**

undertaken by the Institution. The following main points were discussed as a part of collaboration between the two institutions on a long term basis such as the 1)Faculty exchange program. 2)Study Tour by the students. 3)Joint submission of collaborative



projects and 4).Joint Organization of Seminar/Symposia/workshop. The officials attending the meeting were very happy to have a good collaboration with GEMS Arts and Science (University of Calicut) on a long term basis, and they also assured to Director Academic & research that all the support will be extended for the benefit of both the institution.

### **INTI International University Malaysia established an MoU with GEMS Arts & Science College, Malappuram**



### **MoU signing meeting with NITI International University Malaysia on line**

An MoU between INTI International University Malaysia with GEMS Arts & Science College, Malappuram, Kerala was signed today on **22<sup>nd</sup> April 2025** at the college premises. The important event attended by **Prof. Dr. ShamsulNaharAbdullah, Prof.Wong Ling Shing** (Pro Vice chancellors), Shri .



K KumeresanKrishnasamy ,Assistant Manager, International Relations and Collaborations Centre INTI University Malaysia and Shri Manjalamkuzhi Ali Chairman, Shri M. Vasudevan vice chairman, Dr. Balagopalan Unni, Director Academic &

research , Dr.NaveenMohan,Principal, Shri Mohammed Navas K Vice Principal , Dr.Finose IQAC coordinator Members of the board and other faculties of the GEMS college attended the online MoU signing meeting



Signing the MoU



college respectively at the meeting . .The programs and the activities to be undertaken by both the institutions are as follows : **Student mobility and visiting scholar programs; Academic programs collaborations; Joint publication and research activities; Exchange of academic materials and other information;(Genetic materials as per the rules of Government of India and the Government of Malaysia), Establishment of International Centre at their respective campus, Scholarly activities such as courses, seminars, trainings, conferences, and**

**symposiums organized by either of the Parties** and other activities were in brief explained by the pro vice chancellor of the university, Malaysia. The term for partnership between the two institutions shall be for five (5) years from the date of signing the MOU. This is the first MoU GEMS Arts & Science college is signing with one of the world ranking universities of Malaysia. College is already collaborating with another world ranking university, UCSI University Malaysia. Such collaboration with international universities will certainly improve the quality of the education system in both academic & research fronts at a very high level, and will also be benefitted to both the institutions, press release from the college mentioned ,

**Invited and attended the International Meeting-48<sup>th</sup> Annual Conference of the Malaysian Society for Biochemistry & Molecular Biology (MSBMB) at Four Points by Sheraton Puchong, Selangor, Malaysia 14<sup>th</sup> & 15<sup>th</sup> August 2024**



**From the venue of the conference**





### **Delivered the speech on “ Oral Cancer”at the conference**

Dr.BalagopalanUnni ,Director Academic & Research , GEMS Arts & Science College,Malappuram, Kerala (Former Chief Scientist of CSIR-NEIST Jorhat Assam) attended the “Cancer and Cellular Diseases” Section of the Malaysian Society of Biochemistry & Molecular Biology held at Four Points by Sheraton Puchong, Selangor, Malaysia on August 14<sup>th</sup>&15<sup>th</sup> , 2024. Dr.Unni presented his research work entitled “Oral Cancer “in the Session “Cancer & Cellular Diseases” at the MSBMB conference

### **Publications 2024-2025**

**1)ShilaKumari Singh, MinakshiBhattacharjee, BalagopalanUnni, Rajpal Singh Kashyap,, Abdul Malik, Suhail Akhtar and Sabiha Fatima (2024)** In silico testing to identify compounds that inhibit ClfA and ClfB binding to the host for the formulation of future drugs against Staphylococcus aureus colonization and infection.Frontiers in Cellular and Infection Microbiology.10.3389/fcimb.2024.1422500 pp 01-08

**AnasTharakan (2024)** ‘Unveiling Divorce Trends in Kerala: Inferences from Family Courts’-South India Journal of Social Sciences. Vol. 22 No. 2 June

**Nayana P and BalagopalanUnni (2024).**Nanofertilizers in Agriculture: An efficient nutrient delivery system. Society of Biological Chemists (India)- Newsletter, 117: p17.



**ShilaKumari Singh MinakshiBhattacharjee,BalagopalanUnni, Rajpal Singh Kashyap ( 2024)**Detection of Antibiotic Resistance and BiofilmProducing Ability of Staphylococcus Species in Clinical Isolates, National Academy of Medical Sciences, DOI [https://doi.org/ 10.1055/s-0043-1768461](https://doi.org/10.1055/s-0043-1768461).ISSN 0379-038X.

**ShilakumariSingha, MinakshiBhattacharjeea, BalagopalanUnni and Rajpal Singh Kashyap (2024)** Role of surface adhesin proteins of Staphylococcus aureus in virulence and its clinical significances: a review -Reviews and Research in Medical Microbiology 2024, 35:000–000

**Sija, S. L., Reshmi, S. and Athira, T. S (2024).** Phytochemical screening and pharmacological evaluation of *Nymphaeapubescens*Willd: An aquatic plant resource for drug development, Pariplex – Indian Journal of Research, Vol. 13: 05

**Reshmi. S and BalagopalanUnni (2024)** Hairy Root Culture Technology - An efficient alternative for large scale production of high value secondary metabolites, Society of Biological Chemists SBC (1) newsletter Vol: 117 page 15-17.

**SijiMol K and BalagopalanUnni (2024)** Secondary metabolites: A therapeutic source from plants. Socitey of Biological Chemists India (SBC (I)) Newsletter. Vol. No: 117

#### **GenBank Accession Numbers ( Deposted IMTECH)**

Kadambodan, A., Malayanakath, F., Kinatingalthodi, S. and Parambayil, Nayana. (2024) Prokaryotic 16S rRNA/ *Corynebacteriumfalsenii* BIQ A1, 16 S rRNA gene sequence (Accession Number: PP527011)

Kinatingalthodi, S., Kadambodan, A., Malayanakath, F. and Parambayil, Nayana (2024). *Bacillus haynesii* strain VOV C1 16S ribosomal RNA gene, partial sequence (Accession Number: PP527022).

Kadambodan, A., Malayanakath, F., Kinatingalthodi, S. and Parambayil, Nayana.(2024) *Corynebacteriumfalsenii* strain VOV D2 16S ribosomal RNA gene, partial sequence. (Accession number: PP527023)

Malayanakath, F., Kinatingalthodi, S., Kadambodan, A. and Parambayil, Nayana (2024). *Staphylococcus haemolyticus* strain VOV B2 16S ribosomal RNA gene, partial sequence. (Accession Number: PP527024)

#### **Research paper with highest Citation from 2019-2023**

**Sudip Some, OnurBulut, Kinkar Biswas, Anoop Kumar, Anupam Roy, Ipsita Kumar• Sen, Amitava Manda, Octavio L. Franco, İkbālAgahİnce , KartikNeog, Sandip Das, Sayantan Pradhan, Subhadeep Dutta, DebjoyBhattacharjya, SoumenSaha, Pradeep K. Das Mohapatra, Anil Bhuimali, B. G. Unni, Ahmet Kati, Amit Kumar Mandal, M. Deniz Yilmaz & Ismail Ocsoy (2019)** Effect of feed supplementation with biosynthesized silver nanoparticles using leaf extract of *Morusindica* L. V1 on *Bombyxmori* L. (Lepidoptera: Bombycidae). **SCIENTIFIC REPORTS (2019) 9:14839 , October 2019.**

**Impact factor. :4.30 Citation Scopus 84, Citation Web of Science :84 Number of Citations :118**

**Patent Applications Filed/Accepted/Published/Granted by NRDC, DSIR, Govt of India**

| <b>Sl. No</b> | <b>Title of the Patent</b>  | <b>Name of the Authors /Inventors</b>   | <b>Status of the Patent</b>                                |
|---------------|---|---|--|
| 1             | A process for rapid biodegradation of polyethylene by <i>Streptomyces</i> isolated from garbage soil. | Usha&Dr.Naveen Mohan  | <b>Granted</b><br>(Patent No: 384196)                      |
| 2             | Single Cell Protein and its process of preparation  | Dr.Nayana .P, Ashfena C & Dr. BalagopalanUnni.  | <b>Published.</b><br>(Patent Application No: 202341058836) |
| 3             | Nano fertilizer composition and its process of preparation.   | Dr. Nayana .P, Safeeda.K& Dr. BalagopalanUnni   | <b>Published.</b><br>(Patent Application No: 202341058794) |
| 4             | Low cost Nutrient dense multigrain weaning formulation.   | Daisy Sharma, ManashPratimSarma , NanamRonya, Dr.BalagopalanUnni&Chandana Choudhury Barua.                | <b>Accepted.</b><br>(Patent Application No: 202231014874)  |
| 5             | Smart Biometric eye to overcome blindness.  | AnkurpanSaikia, SunandanBaruah , Dr.BalagopalanUnni, Taraprasad Das, AnanyaKalita, Rajeev Kumar Pappurru. | <b>Accepted.</b><br>(Patent Application No: 202231068097)  |
| 6             | Leafy SmbbleJelly .   | Malavika .K, Agnes E.J,   | <b>Accepted.</b>   |

|    |   |  |                          |
|----|---|--|--------------------------|
|    |   | Ranjusha V.P, Dr. BalagopalanUnni.                                 |                          |
| 7  | Purification of Phytase from <i>Trigonella foenum-graecum</i> characterization and its application on decolorization and breed making.  | Dr.Nayana. P, Raheena Sheena & Dr. BalagopalanUnni.                | <b>Accepted.</b>         |
| 8  | Production of Fish feed using single cell protein derived from fruit peel wastes of <i>Artocarpus altalis</i> , <i>Passiflora edulis</i> , and <i>Ficus carica</i> .            | Dr.Nayana.P, Ms.AyishaNesrin, Ms.LubnaJubin&Dr.BalagopalanUnni.    | <b>Application Filed</b> |
| 9  | Development of aquafeed using single cell protein derived from vegetable peel wastes of <i>Cucurbita moschata</i> , <i>Benincasa hispida</i> , and <i>Lagenaria siceraria</i> . | Dr.Nayana.P, Ms.Lubna Jubin , Ms.AyishaNesrin&Dr.BalagopalanUnni.  | <b>Application Filed</b> |
| 10 | Fit –Blend Tea.   | Ms.Ranjusha V.P, Ms.Agnes E.J, Ms.Malavika .K &Dr.BalagopalanUnni. | <b>Application Filed</b> |

**ICAR-Indian Institute of Spices Research (ICAR-IISR), Kozhikode established an MoU with GEMS Arts & Science College ( Autonomous), Malappuram**

Dr.R.Dinesh Director, Dr.T.E. Sheeja Principal scientist, Dr.Ishwara Bhat, Principal Scientist & Dr.R.Sivaranjani Scientist from ICAR-IISR Kozhikode, Mr. M.Vasudevan Vice Chairman, , Dr.BalagopalanUnni Director, Academic & research and Dr.Naveen Mohan Principal of the GEMS Arts & Science College attended the meeting, and signed the MoU on 6th August 2025 at ICAR-IISR- Kozhikode



### **MoU signed between ICAR-IISR and GEMS Arts & Science College ( Autonomous)**

The programs and the activities to be undertaken by both the institutions are as follows :Student mobility and mini project and short term training programs; ,Academic programs collaborations; ,Joint publication and research activities; Scholarly activities such as courses, seminars, trainings, conferences, and symposiums jointly organized by either of the Parties and other activities and programs as may be mutually agreed upon by the Parties. The term for partnership between the two institutions shall be for five (5) years from the date of signing the MOU. GEMS Arts & Science college has signed quite a number of MoU between the R&D institutions and Universities within India and International so far .Such collaboration with the institutions & universities certainly improve the quality of the education system in both academic & research fronts at a very high level, and that is the ultimate goal , informed by the Director, Academic & Research in the press release

### **Online meeting arranged by the UCSI University Malaysia along with the Faculties of GEMS Arts & Science College(Autonomous) on 9<sup>th</sup> September 2025**

The online meeting was arranged by **Prof. Por Choo Shiuan Deputy Dean Chair, Quality Assurance and Enhancement Department of Clinical Pharmacy Faculty of Pharmaceutical Sciences UCSI University Kuala Lumpur** along with the faculties of GEMS Arts & Science college . The meeting was held at the IQAC office. The main





### **On line with the officials of UCSI University Malaysia**

purpose of the meeting was to finalize the schedule of classes and the subjects for online teaching for the faculties of GEMS Arts & Science college in the coming semester , and also decided to communicate the time schedule to our college by the UCSI university. They may also issue a visiting professor status to our faculties who will be teaching the students of UCSI university. In addition to this other points such as the students' mutual visits and joint collaborative projects and probable fundingsetc were also raised at the meeting by Dr.BG Unni , Director Academic & research. In addition to Director Academic Research, Dr.Finose, Asst Professor& Director IQAC, Dr.Sijimol, Dr.NayanaAsst Professors, MsHaritha Coordinating the international program were also at the meeting. Dr.Naveen Mohan , Principal of the college who is also the one of the visiting faculty in the area of Microbiology could not attend the meeting. However his schedule for the classes will also be finalized by the Deputy Dean, UCSI University. The online meeting ended with an appreciation note by Director Academic & Research to Prof.Por Choo for his keen interest in collaboration with GEMS College. The online meeting was very useful for finalizing the work schedule very easily

**Dr.BswlagopalanUnni**  
**Director Academic & Research**

**14<sup>th</sup> September 2025**