

2025 - 2026

Event Name: International Conference on “Conservation of Coastal Ecology – ICCCE25”



The Management, Faculty and Students of the
PG & Research Department of Zoology,
Biochemistry, and Department of Botany

Cordially invite you to the
INTERNATIONAL CONFERENCE
on
Conservation of Coastal Ecology- ICCCE25
25 July 2025



Auxilium College (Autonomous)
(Accredited by NAAC with A⁺ Grade in the 4th Cycle)
Gandhi Nagar, Vellore - 632 006, Tamil Nadu, India.
in Association with
**Research and Education for Environmental Foundation
(REEF), Tambaram**
Sponsored by
EIAACP, Department of Environment and Climate, Government of Tamil
Nadu
Distribution of 500 Saplings
by
Government of Tamil Nadu, Forest Department

From Date: 25.07.2025

To Date: -

**Organized by: PG and Research Department of Biochemistry, PG and Research
Department of Zoology & Department of Botany**

Academic Year: 2025 -2026 (Odd Sem)

International Conference on Conservation of Coastal Ecology, organized by the PG and Research Department of Biochemistry, Zoology, and Botany in association with Research and Education for Environmental Foundation (REEF) and sponsored by EIACP, Department of Environment and Climate, Government of Tamil Nadu. The program commenced with a prayer service, followed by a felicitation ceremony for the Chief Guest by Secretary Dr. Sr. Mary Josephine Rani.

Dr. Muthukumar, Program Officer, EIACP, Ministry of Environment and Climate Change, Government of India, delivered a keynote address on the topic. In the presence of Mr. Justin, Quality Assurance Manager, and Dr. Muthu Magesh, Project Scientist (CMLRE), also shared insights on recent advancements and research on dugong conservation. The conference featured paper presentations by PG students and research scholars, with cash prizes awarded to the winners. The program concluded with the National Anthem."



Dr. K. Muthukumar delivered the inaugural address & Dr. S. Ramachandrababu presented the dynamics of the conference.



Dr. K. Muthukumar, Dr. S. Ramachandrababu and Mr. Justin distributing certificates to the participants.

Event Name: Guest lecture on the topic "Animal Handling, Animal Experimentation, and Making Bio-products for Clinical Research Applications"

AUXILIUM COLLEGE (AUTONOMOUS) VELLORE

(Accredited by NAAC with A⁺ Grade in the 4th Cycle)

Gandhinagar, Vellore - 632 006



**BIOCHEM NEXUS CLUB - PG DEPARTMENT OF
BIOCHEMISTRY**

ORGANIZES GUEST LECTURE

**ANIMAL HANDLING, ANIMAL EXPERIMENT, MAKING
BIO-PRODUCT FOR THE APPLICATION OF CLINICAL
RESEARCH**



DR.SOOSAI MANICKAM AMIRTHAM,

SR.GRADE ASSOCIATE RESEARCH OFFICER,
DEPARTMENT OF PHYSIOLOGY
CHRISTIAN MEDICAL COLLEGE, VELLORE.

22.08.2025
10.30 AM

Venue

Computer Block, Seminar Hall

Activity: Poster making - Animal models in clinical research

Chief Patron

Dr. (Sr.) Mary Josephine Rani A.
Secretary

Patron

Dr. (Sr.) Arokia Jayaceli A.
Principal

Co-Patron

Dr. (Sr.) Amala Valarmathy A.
Vice Principal

Deputy Vice-Principal

Dr. G. Abi Beaulah
Shift II

Organizing members

Dr. M.D. Lakshmi Priya (H.O.D)
Dr. B. Lavanya, Ms. D. Madhumalathi
Dr. S. Divya, Dr. C. Suganthi,
Dr .C. Carlin Premakumari, Dr. B. Ramya

From Date: 22.08.2025

To Date: -

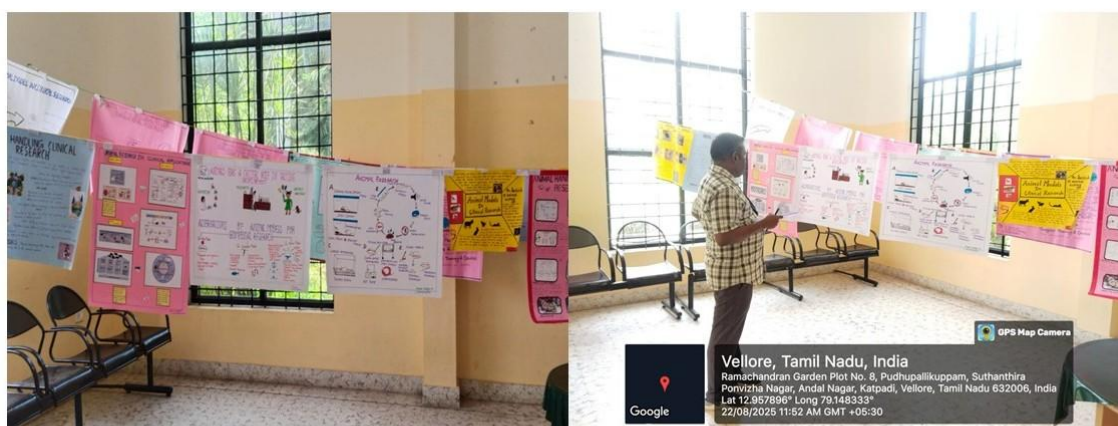
Organized by: Biochem Nexus- PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Odd Sem)

The PG Department of Biochemistry organized an association activity in collaboration with the Department of Physiology, Christian Medical College, Vellore, on 22nd August 2025. **Dr. Soosai Manickam Amirtham**, Senior Grade Associate Research Officer, CMC Vellore, served as the guest speaker. He delivered an insightful lecture on animal handling, ethical clearance, and experimental research. Dr. Soosai emphasized the importance of the **3Rs—Replacement, Reduction, and Refinement** in animal studies. He discussed how animal models are crucial for understanding human diseases and developing therapies. Dr. Soosai shared his lab's innovative approaches in developing low-cost tools like cell drainers and catheters. UG and PG students enthusiastically participated in the event. They presented posters on the theme **“Animal Models in Clinical Research.”** The posters were evaluated by the guest speaker. Prizes were awarded to the best poster presentations. The event concluded with a vote of thanks and appreciation for the guest's valuable insights.




Dr. Soosai Manickam Amirtham delivered an insightful lecture on animal handling, ethical clearance and experimental research during the guest lecture held on 22.08.2025.




Dr. Soosai Manickam Amirtham evaluated the posters on the theme ‘Animal Models in Clinical Research’ presented by the Biochemistry students on 22.08.2025


Event Name: Online Quiz



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BIOCHEM NEXUS CLUB
PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY
ORGANIZES "ONLINE QUIZ"

 **25.09.2025**
10.30 AM

Google link: <https://forms.gle/rvjbqkQ36D3h5v656>

Co-Patron Dr. (Sr.) Amala Valarmathy A. Vice Principal	Chief Patron Dr. (Sr.) Mary Josephine Rani A. Secretary	Patron Dr. (Sr.) Arokia Jayaceli A. Principal
Deputy Vice-Principal Dr. G. Abi Beaulah Shift II	Organizing members Dr. M.D. Lakshmi Priya (H.O.D) Dr. B. Lavanya, Ms. D. Madhumalathi Dr. S. Divya, Dr. C. Suganthi, Dr .C. Carlin Premakumari, Dr. B. Ramya	

From Date: 25.09.2025

To Date: -

Organized by: Biochem Nexus- PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Odd Sem)

As part of the association activities, the Biochem Nexus Club - **PG & Research Department of Biochemistry** organized an **online quiz competition** on 16.09.2025 for both UG and PG Biochemistry students, aiming to enhance their knowledge and understanding of core biochemical concepts. The event witnessed enthusiastic participation from students across all years. The **top three performers** were selected and awarded with **certificates of achievement** in recognition of their outstanding performance. The activity not only encouraged healthy competition but also fostered learning, critical thinking, and teamwork among the participants.



Association activity - Online quiz Sep 2025

Questions Responses **10** Settings Total points: 2

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Manage

Biochem Nexus - PG & Research Department of Biochemistry Association activity - Online quiz Sep 2025

B I U  

Form description

This form is automatically collecting emails from all respondents. [Change settings](#)

Association activity - Online quiz Sep 2025

Questions Responses **10** Settings Total points: 26

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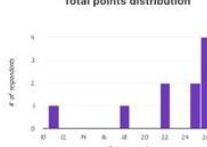
Manage

Summary Question Individual

Insights


Average	Median	Range
22.7 / 26 points	25 / 26 points	11 - 26 points

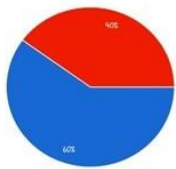
Total points distribution



Class

10 responses

 Copy chart



● I M.Sc. Biochemistry
● II M.Sc. Biochemistry

Biochem Nexus Club - PG & Research Department of Biochemistry organized an online quiz competition on 16.09.2025 for both UG and PG Biochemistry students

Event Name: Guest lecture on the topic “AMH as a Marker in Ovarian Reserve.”

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BIOCHEM NEXUS CLUB

PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY
ORGANISES
Guest lecture
on
AMH as a marker in Ovarian reserve
Dr. Vanitha S., M.Sc., Ph.D
Senior Lecturer
Department of Clinical Biochemistry,
Christian Medical College, Vellore

27. 11. 2025
09.30 - 10.30 AM

Venue: Seminar Hall (Media block)

Activity: Poster making in “Genes in Treatment & Diseases”

Patron
Dr. (Sr.) Mary Josephine Rani A.
Secretary

Convenor
Dr. (Sr.) Arokia Jayaceli A.
Principal

Co-Convenor
Dr. (Sr.) Amala Valarmathy A.
Vice Principal (Shift I & II)

Dr. G. Abi Beulah
Deputy Vice-Principal, Shift II

Organizing members
Dr. M.D. Lakshmi Priya (H.O.D)
Dr. B. Lavanya, Ms. D. Madhumalathi
Dr. S. Divya, Dr. C. Suganthi,
Dr. B. Ramya, Ms. P. Vishnupriya

From Date: 27.11.2025

To Date: -

Organized by: Biochem Nexus- PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Even Sem)

The PG and Research Department of Biochemistry organized an insightful association activity on 27th November 2025 on the topic “**AMH as a Marker in Ovarian Reserve.**” The session aimed to provide students with an updated understanding of fertility biomarkers and the clinical importance of Anti-Müllerian Hormone (AMH) in assessing ovarian reserve.

The event commenced with a prayer song, followed by a warm welcome address. **Dr. Vanitha S., Senior Lecturer, Department of Clinical Biochemistry, CMC Vellore,** served as the chief guest and resource person. Dr. Vanitha shared her expert knowledge on the physiology of AMH, its role in folliculogenesis, and its significance as a reliable biomarker for evaluating ovarian reserve. She explained the clinical applications of AMH in infertility assessment, assisted reproductive technologies (ART), and the diagnosis of conditions such as PCOS and premature ovarian failure. Her detailed presentation helped the students understand both the biochemical principles and the clinical interpretation of AMH values, making the session highly informative and engaging.

As part of the association activity, a poster presentation was conducted for both UG and PG students. The prize winners were selected by the resource person.

The event concluded with a vote of thanks, expressing gratitude to the chief guest for her valuable contribution and to the faculty and students for their active participation. Overall, the program was highly beneficial and enriched the students’ understanding of current clinical diagnostic markers.



Biochem Nexus -PG and Research Department of Biochemistry organized a Guest lecture on “AMH as a Marker for ovarian reserve” on 27.11.2025

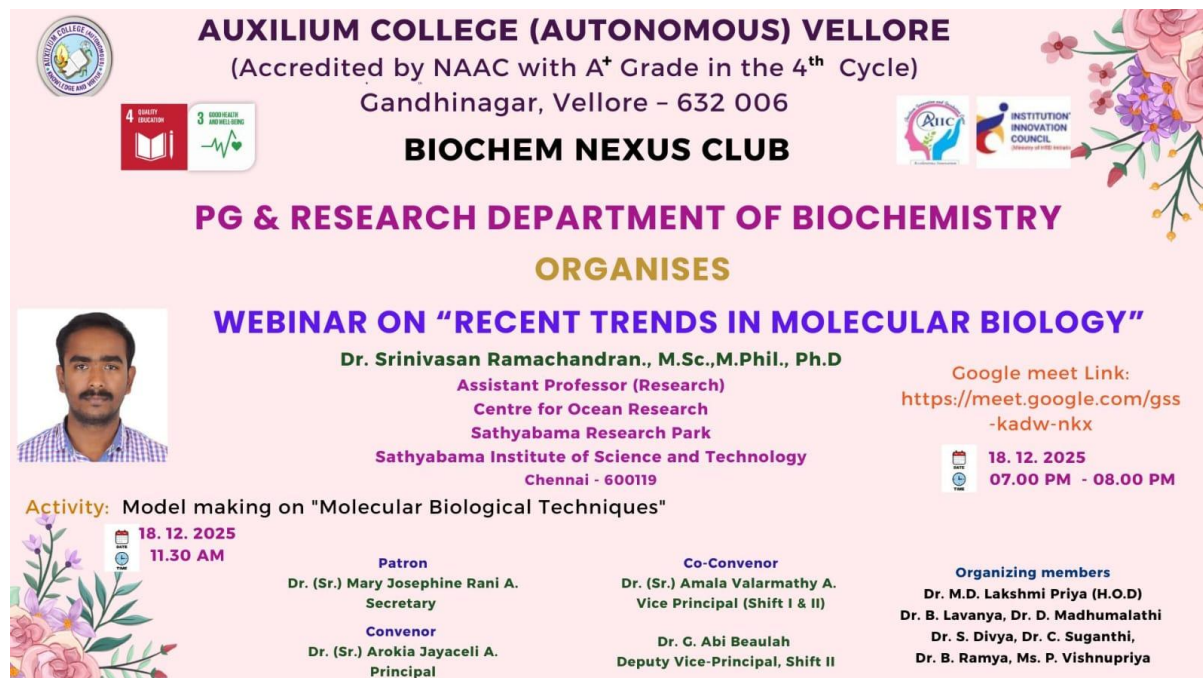


Dr. S. Vanitha explaining about Physiology of AMH, its role in folliculogenesis and its significance as a reliable biomarker during the guest lecture on 27.11.2025



Dr. S. Vanitha judging the Posters presented by the UG & PG students on the topic "Genes in Disease and Treatment" on 27.11.2025

Event Name: Webinar on “Recent Trends in Molecular Biology”



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Gandhinagar, Vellore - 632 006

BIOCHEM NEXUS CLUB

PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY
ORGANISES

WEBINAR ON “RECENT TRENDS IN MOLECULAR BIOLOGY”

Dr. Srinivasan Ramachandran., M.Sc.,M.Phil., Ph.D
Assistant Professor (Research)
Centre for Ocean Research
Sathyabama Research Park
Sathyabama Institute of Science and Technology
Chennai - 600119

Google meet Link:
<https://meet.google.com/gss-kadw-nkx>

18. 12. 2025
07.00 PM - 08.00 PM

Activity: Model making on "Molecular Biological Techniques"

18. 12. 2025
11.30 AM

Patron
Dr. (Sr.) Mary Josephine Rani A.
Secretary

Co-Convenor
Dr. (Sr.) Amala Valarmathy A.
Vice Principal (Shift I & II)

Organizing members
Dr. M.D. Lakshmi Priya (H.O.D)
Dr. B. Lavanya, Dr. D. Madhumalathi
Dr. S. Divya, Dr. C. Suganthi,
Dr. B. Ramya, Ms. P. Vishnupriya

Convenor
Dr. (Sr.) Arokia Jayaceli A.
Principal

Dr. G. Abi Beulah
Deputy Vice-Principal, Shift II

From Date: 18.12.2025

To Date: -

Organized by: Biochem Nexus- PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Even Sem)

The **Biochem Nexus Club** of the **PG & Research Department of Biochemistry** organized a webinar on “Recent Trends in Molecular Biology” on **18th December 2025** through **Google Meet**.

The webinar commenced with a prayer song, followed by the welcome address and the introduction of the **Chief Guest, Dr. Srinivasan Ramachandran, M.Sc., M.Phil., Ph.D., Assistant Professor (Research), Centre for Ocean Research, Sathyabama Research Park, Sathyabama Institute of Science and Technology, Chennai.**

The session was then taken over by the resource person, who provided valuable insights into the latest advancements and emerging technologies in molecular biology. **Dr.**

Srinivasan Ramachandran explained topics such as **RNAi-mediated ZDS transformation in tomato, gene silencing and the resulting morphological changes in transgenic lines, carotenoid expression, ACC deaminase expression in *Chlamydomonas* to enhance algal biomass, and the recombinant production of enzybiotics from bacteriophages**, which were truly interesting. The students learned and benefited significantly from his clear and effective presentation

As part of the academic enrichment activities, a **Model Making Competition on Molecular Biological Techniques** was also conducted on the same day. Students actively participated and showcased their creativity. **Dr. Mary Agnes A., Associate Professor and Head, PG & Research Department of Zoology**, served as the judge and evaluated the student models.



Dr. Srinivasan Ramachandran explaining about gene expression during the webinar on 18.12.2025



Dr. Mary Agnes A., Associate Professor and Head, PG & Research Department of Zoology, evaluating student models at the Association activity organized by the Biochem Nexus Club - PG & Research Department of Biochemistry on 18.12.2025.

Event Name: “Instrumentation workshop on Haematology, Spectrophotometric & Electrophoretic Techniques”



AUXILIUM COLLEGE (AUTONOMOUS) VELLORE
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Gandhinagar, Vellore - 632 006



BIOCHEM NEXUS CLUB
PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY
ORGANISES
**INSTRUMENTATION WORKSHOP ON HEMATOLOGY,
SPECTROPHOTOMETRIC & ELECTROPHORETIC TECHNIQUES**


22. 01. 2026
11.00 AM - 12.30 PM
Venue: Biochemistry Lab

Patron
Dr. (Sr.) Mary Josephine Rani A.
Secretary

Co-Convenor
Dr. (Sr.) Amala Valarmathy A.
Vice Principal (Shift I & II)

Organizing members
Dr. M.D. Lakshmi Priya (H.O.D)
Dr. B. Lavanya, Dr. D. Madhumalathi
Dr. S. Divya, Dr. C. Suganthi,
Dr. B. Ramya, Ms. P. Vishnupriya

Convenor
Dr. (Sr.) Arokia Jayaceli A.
Principal



From Date: 22.01.2026

To Date: -

Organized by: Biochem Nexus & PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Even Sem)

The **Biochem Nexus Club** and the **PG & Research Department of Biochemistry**, Auxilium College (Autonomous), Vellore, organized an **Instrumentation Workshop on Hematology, Spectrophotometric & Electrophoretic Techniques** on 22 January 2026, from 11.00 AM to 12.30 PM, at the Biochemistry Laboratory.

Dr. G. Abi Beulah illustrated the principles and applications of the UV spectrophotometer, highlighting its importance in quantitative analysis and clinical diagnostics. **Dr. M.D. Lakshmi Priya** and **Dr. D. Madhumalathi** demonstrated the technique of SDS–PAGE and its wide-ranging applications in protein separation and analysis for both UG and PG students. **Dr. B. Lavanya** and **Dr. C. Suganthi** described the

principle of Agarose gel electrophoresis, along with the working of the UV transilluminator, emphasizing its applications in nucleic acid analysis.

The Soxhlet phytochemical extraction technique was clearly explained by **Dr. S. Divya**, focusing on its role in the extraction of bioactive compounds from plant materials. **Dr. B. Ramya** provided a detailed explanation of the principle, calibration, and applications of the pH meter, underlining its significance in laboratory and research settings. **Ms. P. Vishnupriya** explained the Neubauer chamber, its principle, and its uses in cell counting and hematological analysis.

The workshop was highly interactive and informative, with active student participation throughout the sessions. The participants gained valuable hands-on exposure, practical knowledge of instrument handling, and a better understanding of laboratory applications. The program concluded successfully, making it a meaningful and enriching academic experience for the students.



Dr. G. Abi Beulah illustrated the principles and applications of the UV spectrophotometer, highlighting its importance in quantitative analysis and clinical diagnostics during the instrumentation workshop organized by Biochem – Nexus Club & PG & Research Department of Biochemistry conducted on 22.01.2026



Dr. M.D. Lakshmi Priya and Dr. D. Madhumalathi demonstrated the technique of SDS–PAGE and its wide-ranging applications during the instrumentation workshop organized by Biochem – Nexus Club & PG & Research Department of Biochemistry conducted on 22.01.2026



Dr. B. Lavanya and Dr. C. Suganthi described the **principle of Agarose gel electrophoresis & UV Transilluminator** applications during the instrumentation workshop organized by Biochem – Nexus Club & PG & Research Department of Biochemistry conducted on 22.01.2026



Dr. S. Divya, Dr. B. Ramya and Ms. P. Vishnupriya delivering expert talks on key laboratory techniques such as plant bioactive extraction, pH meter principles, and Neubauer chamber applications during the Instrumentation Workshop organized by the Biochem–Nexus Club and the PG & Research Department of Biochemistry on 22.01.2026

Event Name: Online Guest Lecture on the topic of “Emerging Career Opportunities in Biochemistry”

AUXILIUM COLLEGE (AUTONOMOUS) VELLORE
(Accredited by NAAC with A⁺ Grade in the 4th Cycle)
Gandhinagar, Vellore - 632 006



BIOCHEM NEXUS CLUB
PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY
ORGANIZES ONLINE GUEST LECTURE

**EMERGING CAREER OPPORTUNITIES IN
BIOCHEMISTRY**



Mrs. R. Parvathi., MBA
Managing Director, Royal Institute for Career Development,
Senior Consultant, HAILONN Health care Pvt. Ltd.
Naturopathy Medicines (Method of Nano technology),
Software Developer, Entrepreneur Trainer

 **16. 02. 2026**
09.00 AM - 10.00 AM

Google meet link: <https://meet.google.com/rdg-njbe-cpk>

Chief Patron
Dr. (Sr.) Mary Josephine Rani A.
Secretary

Patron
Dr. (Sr.) Arokia Jayaceli A.
Principal

Co-Patron
Dr. (Sr.) Amala Valarmathy A.
Vice Principal

Dr. G. Abi Beulah
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Dr. B. Ramya

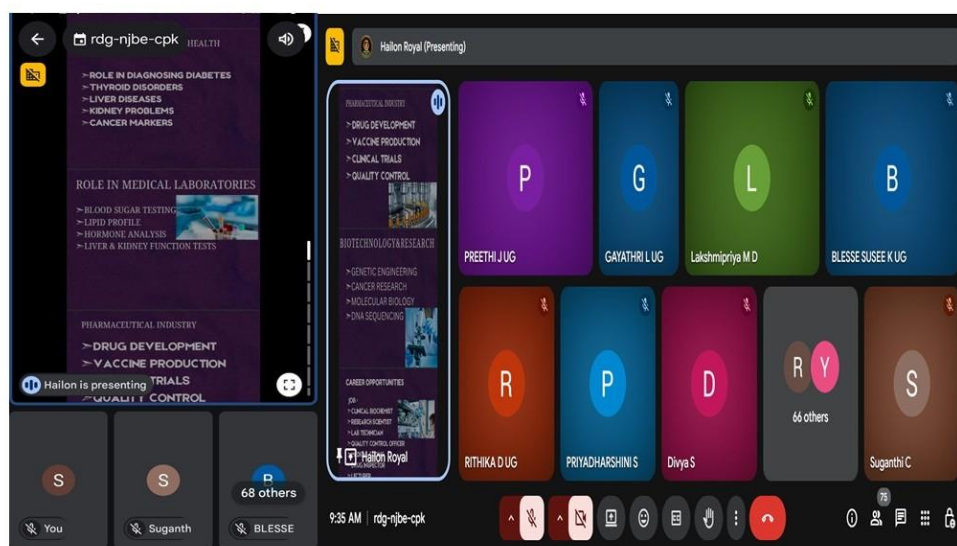
From Date: 16.02.2026

To Date: -

Organized by: Biochem Nexus & PG and Research Department of Biochemistry

Academic Year: 2025 -2026 (Even Sem)

The Biochem Nexus Club and the PG & Research Department of Biochemistry organized an online guest lecture on “Emerging Career Opportunities in Biochemistry” on 16 February 2026 from 9:00 AM to 10:00 AM through Google Meet, with the objective of creating awareness about diverse and emerging career paths in biochemistry, bridging the gap between academia and industry, and encouraging interdisciplinary learning among students. The session began with a prayer song, followed by the welcome address. The chief guest was Mrs. R. Parvathi, MBA, Managing Director of the Royal Institute for Career Development and Senior Consultant at HAILONN Health Care Pvt. Ltd. She shared her multidisciplinary expertise in healthcare and nanotechnology-based naturopathy medicines and highlighted expanding career opportunities in pharmaceutical industries, clinical research, diagnostic laboratories, nutraceutical and food industries, healthcare management and bioinformatics. She emphasized that biochemistry graduates must develop technical skills, digital competence, communication abilities, leadership qualities and practical exposure through internships and research activities to remain competitive. The session witnessed active participation from undergraduate and postgraduate students, who engaged in interactive discussions and clarified their doubts regarding career scope and higher studies, making the programme highly informative, motivating, and beneficial in broadening their perspectives on modern career opportunities in biochemistry.



Biochem Nexus Club and PG & Research Department of Biochemistry organized an online guest lecture on “Emerging Career Opportunities in Biochemistry” on 16.02.2026.