



# DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous)

Re-accredited with 'A++' Grade by NAAC Affiliated to University of Madras College With Potential For Excellence (Linguistic Minority Institution)

# NEWC E TIDE

## DEPARTMENT OF BIOCHEMISTRY

Volume : 04 Issue : 02 (Jan - Jun 2024)

### **Chief Patron:**

Shri. ASHOK KUMAR MUNDHRA  
Secretary

### **Patron:**

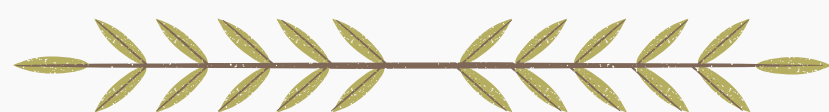
Capt. Dr. S. SANTHOSH BABOO  
M.Sc., Ph.D.,  
Principal

### **Editor-in-Chief:**

Dr. D. SARAVANAN  
M.Sc., Ph.D., B. Ed., MPhil.,  
Head(i/c), Department of Biochemistry

### **Sub Editor:**

Mrs. M. MARIA CAROLINE REBELLOW  
M.Sc., M.Phil., NET,  
Assistant Professor,  
Department of Biochemistry



## INSIDE THE ISSUE

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### **RNA Interference for Cancer Therapy :**

Recent advancements in RNA interference (RNAi) are enabling more targeted and effective treatments for cancer by silencing specific genes responsible for tumor growth and resistance.

### **Therapeutic Enzymes for Genetic Disorders :**

New research has made progress in utilizing enzymes as treatments for genetic disorders such as phenylketonuria (PKU). These enzymes can break down toxic substances that accumulate due to faulty metabolic pathways.

### **Intracellular Signaling via Light :**

Optogenetics, which uses light to control cells within living tissues, is being adapted to control intracellular signaling pathways. This technique allows precise manipulation of biochemical processes, opening up therapeutic applications.

### **CRISPR-Cas Systems Beyond Editing :**

Beyond gene editing, CRISPR-Cas systems are being explored for their use in gene regulation, diagnostics, and even in controlling the behavior of bacteria and viruses within the human body.

Dear Readers,

The Department of Biochemistry is excited to announce the release of its latest magazine edition *Newcleotide 2024*, a showcase of the vibrant and diverse activities of the department. The magazine will feature a collection of articles, research highlights, and other accomplishments from both faculty and students, reflecting the innovation and commitment that defines our department.

*NEWCLEOTIDE* brings together a wide range of topics, including cutting-edge research projects, industry collaborations, and insightful interviews with alumni and experts in the field. From student achievements to faculty accomplishments, the magazine offers a glimpse into the dynamic environment that fosters learning, creativity, and professional growth.

In addition to academic and research-focused content, this issue will also highlight the events, departmental news, and special features on extracurricular activities that enrich the student experience. The magazine is an excellent opportunity to stay connected and informed about our evolving community.

We invite everyone to join us in celebrating the release of this magazine, which serves as a platform to showcase the hard work and achievements of our department. Be sure to grab your copy and stay tuned for more updates on our exciting journey ahead.



**Dr. D. Saravanan,**  
**Head (i/c),**  
**Department of Biochemistry**

### **Editorial Team**

#### **Sub Editor**

Prof. M. Maria Caroline Rebellow

#### **Students Editors**

Dharshana Mahesh K U - I MSc.

Gayathri D - III BSc.

Hemamalini R - III BSc.

Vishnu Priya S - III BSc.

Ganesh A S - III BSc.

Charan Kumar S - III BSc.



# NEUBERG CREW

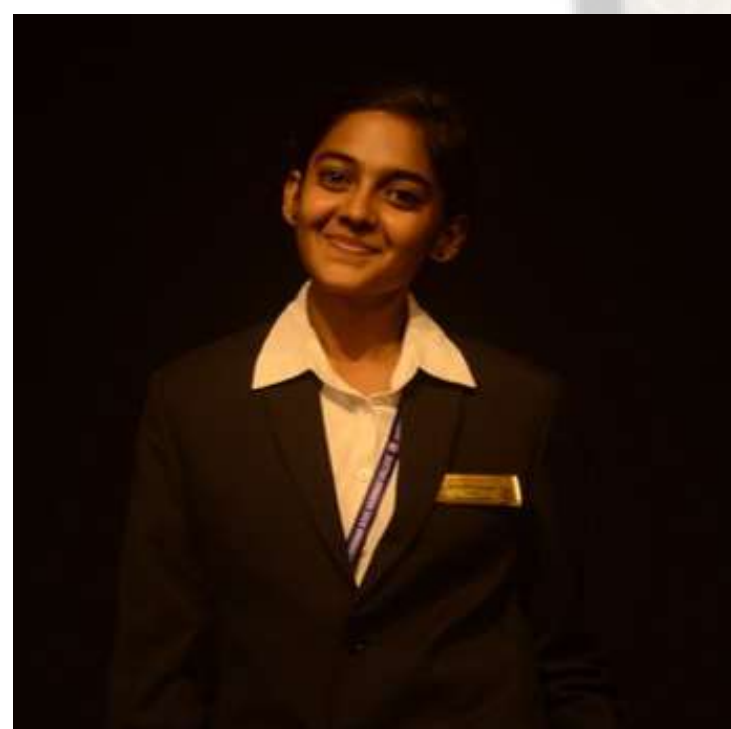
## OFFICE BEARERS OF THE YEAR 2023-2024



**Mr. Yuvaraj U**  
**President**



**Ms. Dhivya Dharsa M**  
**Vice President**



**Ms. Rithika R**  
**General Secretary**



**Ms. Vaishnavi H**  
**Joint Secretary**  
**(Public Relations)**



**Mr. Kanishka P. M**  
**Joint Secretary**  
**(Technical)**



**Mr. Mithran R**  
**Cultural Secretary**



**Ms. Cathrin M**  
**Treasurer**

## DEPARTMENTAL ACTIVITY

### BIO ENTREPRENEURSHIP ENVENTURE : GUEST LECTURE

An invited talk on “Strides of Innovation and Bio Entrepreneurship- Enventure” was organised by the Neuberg Crew on 5th January, 2024 at Seminar hall II within the college premises for MSc students. Our cherished alumni and Guest Dr. Anand Duraiswamy sir gave a brief insight about the entrepreneurship and opportunities present in the field of Bio-entrepreneurship. Overall the programme was very informative.



### CAREER ORIENTATION LECTURE ON MEDICAL RECORD SCIENCE

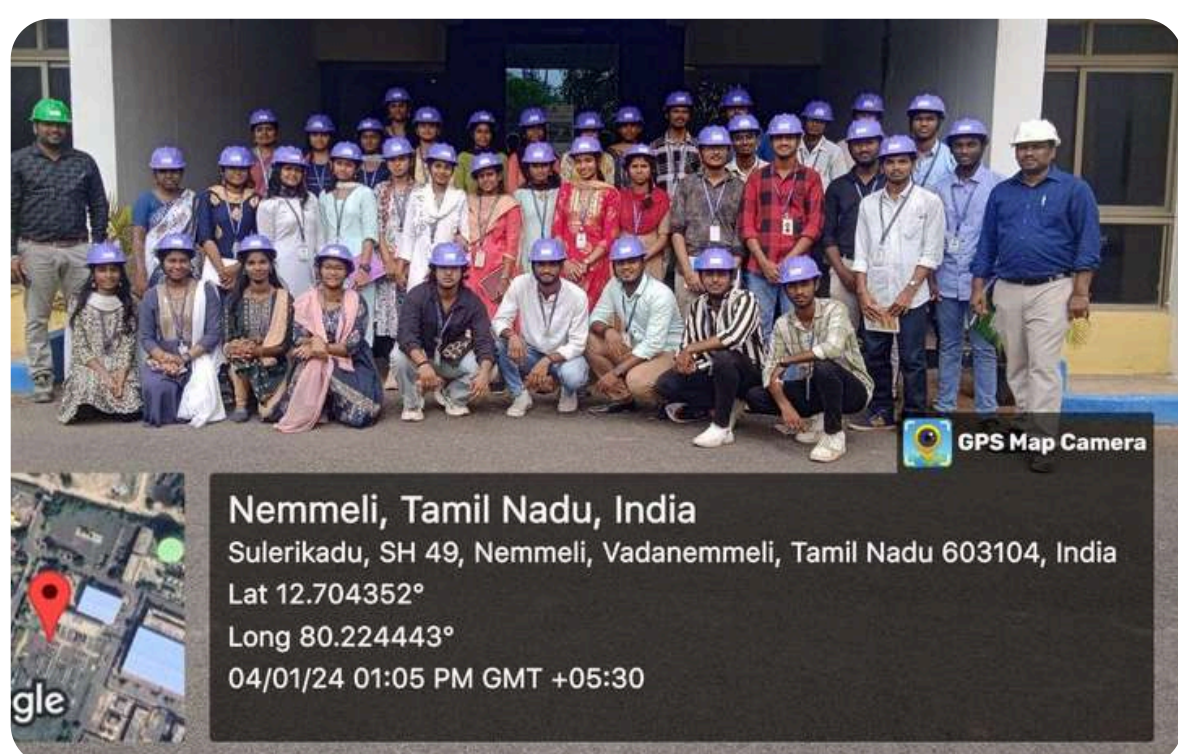
A lecture on medical record science was organized by Dr. Sangeetha Sathyanarayanan on February 1st, 2024, via online platform for the final year PG students. The Guest Speaker S. Indira, Assistant Manager at Technosoft, Apexon Health gave a brief explanation about Medical Coding, Medical Record Science, and Revenue Cycle Management. It was a highly enlightening programme with regard to career prospects of life science students.



## DEPARTMENTAL ACTIVITY

### INDUSTRIAL VISIT

Students of II BSc Biochemistry visited Tamil Nadu Govt. Chennai Metropolitan Water Supply and Sewage Board (CMWSSB) 100 MLD Desalination plant at Nemmeli on 4th January 2024, along with Prof M. Maria Caroline Rebellow as a part of their IV. The major objective was to familiarize them with the process of desalination, to observe, understand the working and practical application of various units of the desalination plant. It was a successful trip in which students were sensitized about the demand, supply of water and the necessity to conserve water.



### ENVIRONMENTAL SCIENCE TRIP

A one day field trip to Vedanthangal Bird Sanctuary was organised by Dr. K. Nagalakshmi for II year BSc. Biochemistry students on 16th February 2024. The major objective was to familiarize the students with the fauna and ecology of the region and also to acquaint them with the importance of flora of forest area and the threats these ecosystems face due to natural and anthropogenic pressures. All students observed and captured various migratory birds. Students were also excited to watch seasonal migratory birds from different countries. The field trip sensitized the students towards caring for the environment and the importance of planting more trees to protect the endemic species.



## DEPARTMENTAL ACTIVITY

### TRAINING PROGRAMME

On 16th February 2024, our I MSc students learnt " DOT ELISA METHOD ", at OPRL Biosciences, Chennai. Dr. R. Uma coordinated the training programme in which the students gained an in depth knowledge about Immunological Techniques and ELISA from Dr. Shanthi who also taught the various nuances of the technology.



### SCIENCE EXHIBITION

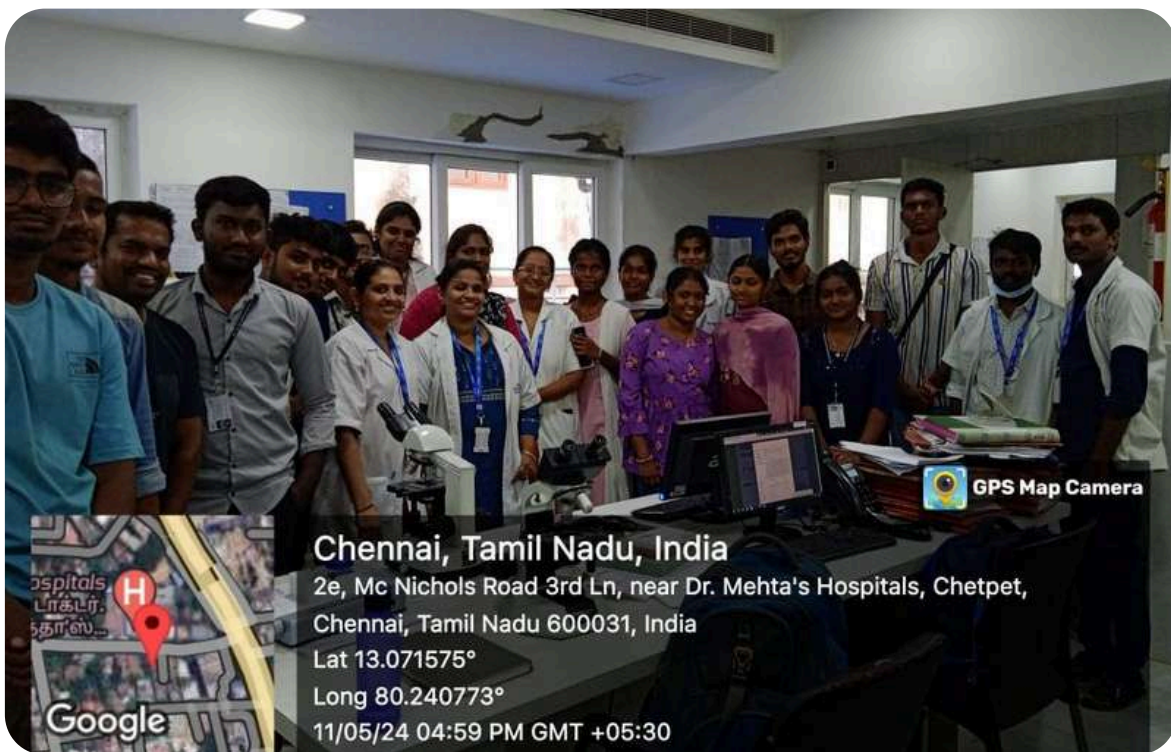
On February 28 2024, Our College organised a Science exhibition and the Neuberg crew members **President- Yuvaraj; Vice President- Divya Dharsha, Secretary- Rithika ; Joint Secretary- Vaishnavi and Kaniska; Cultural Secretary- Mithran and Treasurer- Cathrin** have actively participated in the event. Students from various schools visited the exhibition. The crew members exhibited and explained the following instruments to the students Gel filtration chromatography, RASMOL- Bioinformatics tool, ABO- blood grouping & technique, Microscopic view of white blood cells. The exhibition was a great opportunity for the students to learn the scope and importances of Biochemistry.



## DEPARTMENTAL ACTIVITY

### II BSc - INTERNSHIP

As a part of curriculum, students of II BSc Biochemistry underwent an internship in clinical laboratories for 15 days. A majority of students interned at Dr.Mehta's hospital, chetpet. Students were able to observe, perceive and apply previously acquired knowledge and technical skills in actual clinical settings. Students have gained hands-on experience with highly sophisticated machines over 7 clinical departments.



### I MSc - INTERNSHIP

The students of I MSc Biochemistry underwent a 15 day internship in various prestigious clinical laboratories. The students had the opportunity to intern at the following esteemed institutions: Dr. Mehta's hospital (Thiruverkadu); Dr. Mehta's hospital(Chetpet); ES hospital (Villupuram); Madras University (Taramani Campus); Life Cell (Kelambakkam), Saveetha Medical College; Siddha Institute; and Royal Bio Research Centre. This internship has enhanced their technical skills by working with highly sophisticated machines and equipments.





**Dr. P. T. Srinivasan** took over as the **Head of the PG Department of Biochemistry in June 2005**. His contribution to the Department has been invaluable. He was a visionary leader who inspired his team to strive for excellence. His confident and passionate approach kept the team of teachers motivated. His engaging story telling style captivated audiences and his vision with clarity. Under his leadership, the department was upgraded to Research Department in 2015 as the University of Madras granted affiliation to conduct full time M.Phil Biochemistry programme.

We appreciate your expertise, mentorship and commitment. You have left an indelible mark on our team. Your wisdom, kindness and humour will be deeply missed. We feel honoured to have worked with you. Your guidance has helped us grow professionally and personally. We will remain grateful for all that you have done for the department. Your legacy will continue to inspire us.



**Dr. D. S. Pushparani** joined the Department in **July 2019**. She had a strong passion for research and teaching Biochemistry.

We appreciate your quiet strength and commitment. Thank you for the dedication and service. As we bid you farewell, we wish you all the best in your future endeavours. Your contributions will be remembered.



## STUDENTS ACHIEVEMENT



**Dhanush S(21E2726); Dhanush Raj R(21E2729);  
Rajesh T(21E2740); Sanjay Narayanan  
R(22E2712); Purushothaman L(22E2728)**

Students of III BSc & II BSc Biochemistry has volunteer in **Khelo National** organised by **Sports Authority of India** on 20-31 Jan 2024

**Shandhini N (22E2720)**

**II BSc Biochemistry**

- Participated in **Republic Day Celebration** at **State level** organised by **Southern Railway** on 28th Jan 2024.
- Appointed as **Assistant Cultural Secretary** in **NSS Unit 2** at **DDGDVC** on 23rd Feb 2024.



**Rithika R (21E2714)**

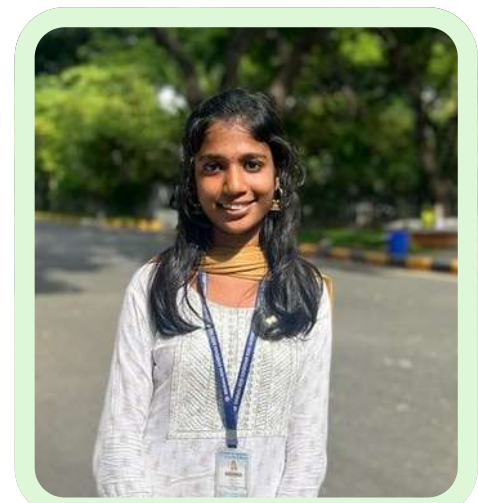
**III BSc Biochemistry**

- Participated in **Pongal Celebration** at **State level** organised by **Government of India** at Delhi on 14th Jan 2024
- Participated in **Maragazhi Mahotsav** organised by **DDGDVC** on 31st Jan 2024.

**Meeja V.P (22E2739): Kirthika G (22E2731)**

**II BSc Biochemistry**

Secured **THIRD PLACE** in **POSTER PRESENTATION** in **National Conference** on "*Green Health Care- Innovation and Perspectives*" organised by Department of Biochemistry & Microbiology, JBAS College for Women on 23-24 Jan 2024, Chennai 600018



## STUDENTS ACHIEVEMENT



**Yuvan Kumar S (22E2732)**

**II BSc Biochemistry**

Secured the **THIRD PLACE** in 110 meters hurdles in **State level** organised by **Tamilnadu Athletic Association** on 07 April 2024.



**Archana G (22E2740) , Gayatri D (22E2722)**

**II BSc Biochemistry**

Participated in the **POSTER PRESENTATION** in **National Conference** on "*Green Health Care- Innovation and Perspectives*" organised by Department of Biochemistry & Microbiology, JBAS College for Women on 23-24 Jan 2024, Chennai 600018.



**Vishwa R V(23E2711) , Sathya Priya S(23E2728)**

**I BSc Biochemistry**

Secured **FIRST PLACE** in the **POSTER PRESENTATION** in **International Conference** on "*Innovative Technology in Biosciences towards Sustainable Development*" organised by Department of Microbiology, DDGDVC on 06-07 Feb 2024.



**Mithran R (22E2735)**

**II BSc Biochemistry**

- Secured **SECOND PLACE** in Group Dance Competition in **COSMCI 2024** in **INTERCOLLEGIATE** organised in SRM Institute of Science & Technology on 04th Mar 2024.
- Secured **FIRST PLACE** in Group Dance Competition in **INTERCOLLEGIATE** organised in Presidency College on 08th Mar 2024.
- Secured **SECOND PLACE** in Group Dance Competition in **ENTHRAL 2024** in **INTERCOLLEGIATE** organised in Alpha Engineering College on 14th Mar 2024.
- Secured **SECOND PLACE** in Group Dance Competition in **INTERCOLLEGIATE** organised in Hindu College on 17th Mar 2024.

# STUDENTS ACHIEVEMENT



**Abinaya S. S (22E2725)**

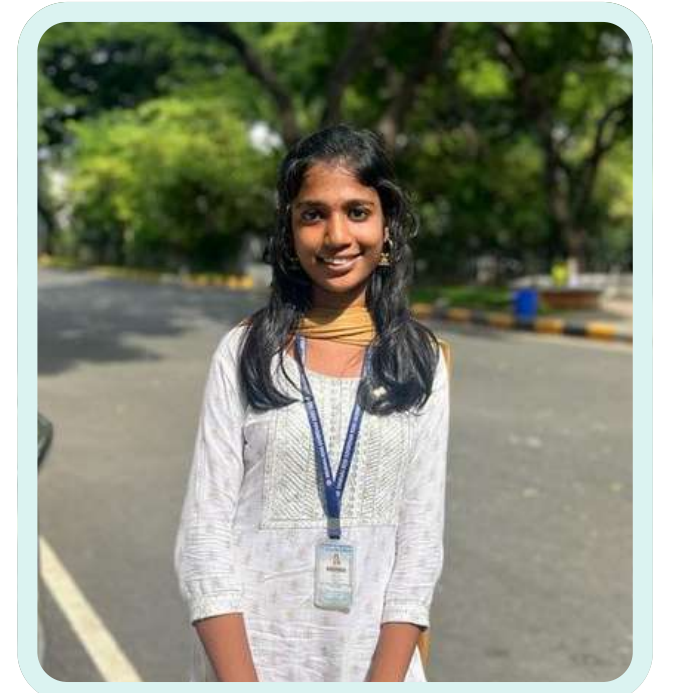
**II BSc. Biochemistry**

- Secured **FIRST PLACE** in Jewellery making Competition in **ASTRAL 2024** in **INTERCOLLEGIATE** organised in Annai Velankanni College for Women on 08th Feb 2024
- Secured **FIRST PLACE** in Jewellery Making Competition in **YUVAA 2024** in **INTERCOLLEGIATE** organised in Asan College of Arts & Science on 17th Feb 2024.

**Meeja V. P (22E2739)**

**II BSc Biochemistry**

Secured **FIRST PLACE** in Singing Competition in **AMORE 2024** in **INTERCOLLEGIATE** organised in Anna Adarsh College for Women on 04th Mar 2024.



**Cathrin M (22E2706) and Gayathri D (22E2722)**

**II BSc Biochemistry**

Won **SECOND PRIZE** in the “**POSTER PRESENTATION**” in **INTER DEPARTMENTAL** organised by the Enviro Club, DDGDVC on 01st Feb 2024.



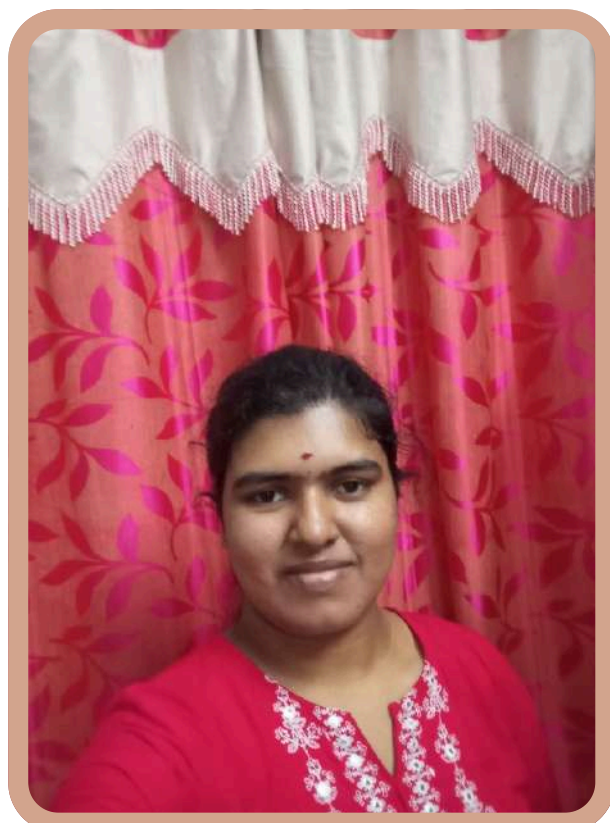
**Santhosh A (21E2706)**

**III BSc Biochemistry**

Got the awarded for the **Best Co-ordinator** in “**ENVIRO CLUB**” on 28th Mar 2024.



## INTERNATIONAL CONFERENCE



**Roobini K (22E4709)**

**II MSc Biochemistry**

Secured **FIRST PLACE** in **ORAL PRESENTATION** titled “Antimicrobial Activity of L. Nisin & Chitosan “ in *Advance in Biotechnology - Algae towards Sustainable Environment 2024* (ICAB - ASE 2024) organised by Department of Biotechnology, DDGDVC on 22 - 23 Jan 2024

**Aravind A (22E4729)**

**II MSc Biochemistry**

Secured **SECOND PLACE** in **ORAL PRESENTATION** titled “Evaluation of Metal Nanoparticles Toxicity using Adult Zebrafish & their Embroys“ in *Advance in Biotechnology - Algae towards Sustainable Environment 2024* (ICAB - ASE 2024) organised by Department of Biotechnology, DDGDVC on 22 - 23 Jan 2024



**Saranya P (22E4722)**

**II MSc Biochemistry**

Secured **THIRD PLACE** in **ORAL PRESENTATION** titled “Fisetin Promotes Glucose uptake by Upregulating the Expression of GLUT4 in rat L6 Myotubes“ in *Advance in Biotechnology - Algae towards Sustainable Environment 2024* (ICAB - ASE 2024) organised by Department of Biotechnology, DDGDVC on 22 - 23 Jan 2024



**Malliga P (22E4702)**

**II MSc Biochemistry**

Secured **THIRD PLACE** in **ORAL PRESENTATION** titled “Evaluation of Plants Sensitivity to Air pollution using Physiological & Biochemical Parameters“ in *Advance in Biotechnology - Algae towards Sustainable Environment 2024* (ICAB - ASE 2024) organised by Department of Biotechnology, DDGDVC on 22 - 23 Jan 2024



## PAPER PRESENTATION



**Dayana E (22E4706), Varalakshmi.J (22E4708)**

**II MSc Biochemistry**

Presented a paper titled "Recent approaches in Bioaugmentation for efficient treatment of soil contaminated with heavy metal" in *Green Healthcare - Innovation and Perspectives*, **National Conference** organised by Department of Biochemistry & Microbiology, JBAS College of Women on 23-24 January, 2024



**A.Aravind (22E4729), V Gowtham (22E4719)**

**II MSc. Biochemistry**

Presented a paper titled "Toxicity evaluation of herbal drugs in animal models" and also Presented on "A comprehensive review on green synthesis of nanocomposites and its applications in wastewater treatment" in **International Conference** on 19th & 20th January 2024, organized by SRC, Tiruchirappalli



**Hamshapriya P (22E4710), Livitha A (22E4701)**

**II MSc Biochemistry**

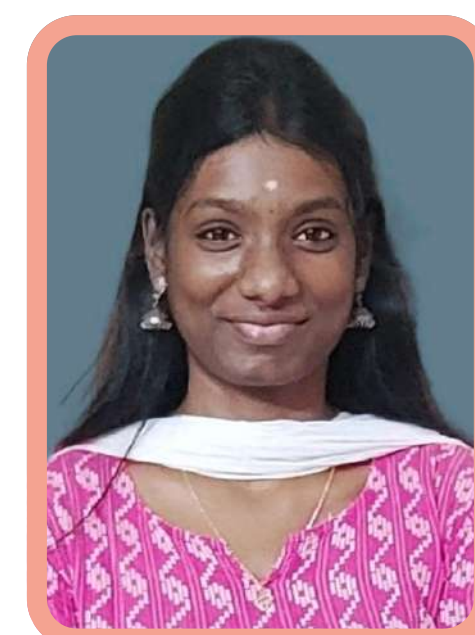
Presented a paper titled "Induced Pluripotent stem cells (iPSCs) and their applications in neurodegenerative diseases" in **International Conference** on 19th & 20th January 2024 organized by SRC, Tiruchirappalli



**Sruthi N (22E4704)**

**II MSc Biochemistry**

Presented a paper titled "Quality of water condensate from air conditioner and its potential uses in laboratories and plantation" in *Green Health care- Innovation and Perspectives*, **National Conference** organized by Department of Biochemistry & Microbiology, JBAS College of Women on 23-24 January, 2024



## PAPER PRESENTATION



**Gowtham V (22E4719)**

**II MSc. Biochemistry**

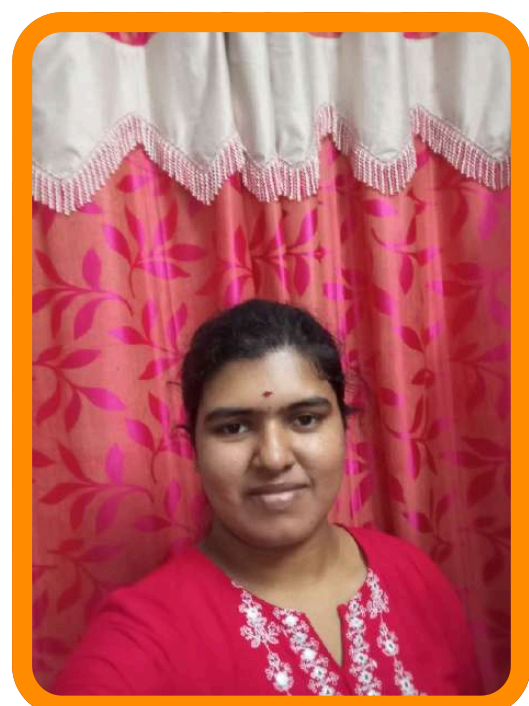
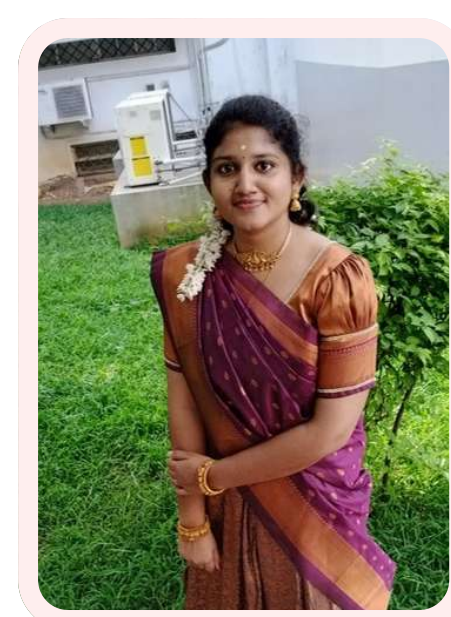
Presented a paper titled "Fabrication of eco friendly biocomposites using fiber for biomedical applications" in *Green Healthcare - Innovation and Perspective*, **National Conference** organized by Department of Biochemistry & Microbiology, JBAS College of Women on 23-24 January, 2024



**P Mallika (22E4702), P. Saranya (22E4722)**

**II MSc Biochemistry**

Presented title "A comparative study of mosquito larvicidal activity of Tridax Procumbens and Solanum nigrum ethanol extract" in *Exploring Innovative Techniques and Biosciences Towards Sustainable Development*, **National Conference** organized by PG & Research Department of Microbiology, DDGDVC on 06-02-2024.



**K. Roobini (22E4709)**

**II MSc Biochemistry**

Presented title "Antimicrobial activity of L niacin and Chitosan" in *Exploring Innovative Techniques and Biosciences Towards Sustainable Development*, **National Conference** organized by PG & Research Department of Microbiology, DDGDVC on 06-02-2024

**Dr.D.S.Pushparani (Asst.Professor) & Swetha.C (II MSc),**

Secured **THIRD PLACE** in paper presented titled "Sequestration of CO<sub>2</sub> from exhaust gases using Microalgae derived carbonic anhydrase enzyme" in *Exploring Innovative Techniques and Biosciences Towards Sustainable Development*, **National Conference** organised by PG & Research Department of Microbiology, DDGDVC on 06-02-2024



## PAPER PRESENTATION



**M. Maria Caroline Rebellow (Asst. Prof) & Dayana E (II MSc),**

Presented a paper titled "Seaweed based bioremediation: A sustainable solution for heavy metal contamination in aquatic environments" in *Exploring Innovative Techniques and Biosciences Towards Sustainable Development*, **National Conference** organised by PG & Research Department of Microbiology, DDGDVC on 06-02-2024



**M. Maria Caroline Rebellow (Asst. prof) & Charumathi.J.J, Varalakshmi.J (II MSc),**

Presented a paper titled "The bioremediation of heavy metal contaminated water using algae and biomass" in *Exploring Innovative Techniques and Biosciences Towards Sustainable Development*, **National Conference** organised by PG & Research Department of Microbiology, DDGDVC on 06-02-2024



## Prize Holders in 59th College Day Celebration

CLASS	NAME	AWARD GOT ON 59th COLLEGE DAY
II BSc	Gayathri D	Proficiency Prize in I BSc Biochemistry
II BSc	Ganesha A S	Proficiency Prize for Enviro Club
III BSc	Rithika R	Best Out Going Student Highest Marks in Sanskrit Proficiency Prize in Srinath Fine Arts Academy
II MSc	Hemshapriya P	Proficiency Prize in I MSc Biochemistry

## FACULTY ACHIEVEMENTS

### PAPER PRESENTATION

#### Dr.R.Uma



- Presented a papers titled "Toxicity evaluation of herbal drugs in animal models", "Induced Pluripotent stem cells (iPSCs) and their applications in neurodegenerative diseases", "A comprehensive review on green synthesis of nanocomposites and its applications in waste water treatment" **International Conference** 19th & 20 th January 2024.
- Presented a paper titled "Quality of water condensate from air conditioner and its potential uses in laboratories and plantation", "Fabrication of eco friendly biocomposites using fiber for biomedical applications" **National Conference** on 23-24 January 2024.

#### Dr.Sangeetha Sathyanarayan

Presented a paper titled "Biological removal of cadmium from soil by phytoremediation and its impact on growth parameters, photosynthetic parameters and antioxidant enzymes in Brassica nigra" Department of Biosciences, School of Liberal Arts & Sciences. **MODY University of Science & Technology** on 22-23 February, 2024



#### Prof. S.Vaidehi

Presented a paper titled "Assessing the efficacy of green belt zones utilizing tolerant species in mitigating urban air pollution : *A case study on Terminalia catappa, Phyllanthus emblica and S.cumini, Eucalyptus globus labill*" Department of Biosciences, School of Liberal Arts & Sciences. **MODY University of Science & Technology** on 22-23 February, 2024



#### Dr.G.Sriram Prasath

Presented a paper titled "Assessing the efficacy of green belt zones utilizing tolerant species in mitigating urban air pollution : *A case study on Terminalia catappa ,Phyllanthus emblica and S.cumini, Eucalyptus globus labill*" Deparment of Biosciences, School of Liberal Arts & Sciences. **MODY University of Science & Technology** on 22-23 February,2024





## FACULTY ACHIEVEMENTS

### PAPER PRESENTATION



**Prof. M. Maria Caroline Rebellow**

Presented a paper titled "Recent approaches in Bioaugmentation for efficient treatment of soil contaminated with heavy metal" in National Conference on 23-24 January, 2024

**Dr. A. Subramani**

Presented a paper titled "Preparation and Characterization Nano- Fiber composite and thin film derived from novel Azomethine Polyester by Electrospinning and Spin coating techniques - *Emerging Nanomaterials in Biological, Chemical and Engineering Applications*" in International Conference organized by Department of Chemistry, School of Agriculture & Basic Sciences. VELS Institute of Science, Technology and Advanced Studies on 28th - 29th February, 2024



### FACULTY PARTICIPATION

PROGRAMME	NO. OF PROGRAMMES ATTENDED
FDPs	18
International Conference	7
National Conference	1
Seminar	11
Workshop	8
Online Certified Course	1
Orientation Program	4
Academic Contributions	
Resource Persons	2
Faculty Incharge	1
Board of studies	1

Lavanya Basker, Yuvarani Chinnadurai, Shubham Ravshahed Pujari, **A. Subramani**, Manivannan Nandhagopal, Vanjinathan Mahalingam, Sowbagya Lakshmi Prabha, Tamizhdurai Perumal, Bargathulla Ibrahim, Krishna Kumar Yadav, Ghadah Shukri Albakri, Mohamed Abbas. "Incorporation of Caster Oil in the Synthesized Aliphatic Polyesters via melt Polcondensation and end group modification: Synthesis, Characterization and Properties". *ACS Omega* 2024, .

M. Rajesh, V.L. Mangesh, P. Tamizhdurai, Nadavala Siva Kumar, S.N. Masthan Vali, **A. Subramani**, **G. Sriram Prasath**, Praveen Kumar Basivi, Ahmed S. Al- Fatesh, Salwa B. Alreshaidan, P. Saravanan, R. Kumaran. "Zirconium supported on mesoporous KIT-6 by the Catalytic activity of ethanol to 1,3- butadiene (IF 5,2). *Advance Powder Technology*. Volume 35 Issue 6, 2024. DOI: 10.1016/j.appt.2024.104495.

**G. Sriram Prasath**, G. Sasikumar, **A. Subramani**, T.K. Shabeer, P. Tamizhdurai, Krishna Kumar Yadav, Ghadah Shukri Albakri, Mohamed Abbas, Maha Alreshidi. "Design, Synthesis and characterization of novel functional polyesters containing chromosone curcumin units and evaluation of its Anticancer potential- An invitro and insilico approach" (IF 5,6). *Journal of Saudi Chemistry Society*. DOI: 10.1016/j.scs.2024.101854.

L. Benazir Ali, **A. Subramani**, V.S. Jamal Ahamed, Priya V. Patel, T.K. Shabeer, P. Tamizhdurai, Asad Syed, Hind Al- Shwaiman, P. Sasikumar. "Insilico investigation and biological viz Antimicrobial, Genotoxic and Anticancer potentials of new dihydropyrimidinones (DHPMs) Synthesized by Biginelli reaction" (IF 4). *Journal of Molecular Structure* Volume 1316, 2024, DOI: 10.1016/j.molstruc.2024.138758.

A. Hariharan, P. Tamizhdurai, C. Kavitha, Krishna Kumar Yada, R. Suresh Kumar, Sugumaran Subramanian, **A. Subramani**, P. Sasikumar, Mark Vimalan, Ghadah Shukri Albakri, Mohamed Abbas, Maha Alreshibi. "Zn/Ni catalyst facilitates the oxidation of ethyl lactate to ethyl pyruvate by selective progressions on mesoporous SBA-15 support by a continuous processing approach" (IF 3,9). *Molecular Catalysis*, DOI: 10.1016/j.mcat.2024.114275.

**G Sriram Prasath**, **A. Subramani**, **R. Selvam**, B. Priyanka, P. Tamizhdurai, G. Shoba, U.S. Mahadeva Rao. "Invivo and Insilico studies on Antidiabetic properties of Fisetin; Focus on interactions with PEPCK and GSK3". *Research Journal of Pharmarcy asnd Technology*. ISSN: 0974-360X. Volume 17, Issue 6, 2024, DOI: 10.52711/0974-360X.2024.00458

## BOOK CHAPTERS PUBLISHED

**Dr.D. Saravanan.** A study on the biochemical & morphological changes on groundnut (*Arachis hypogaea*) seeds exposed to pulsed magnetic field, Futuristic trends in Biotechnology, Vol 3, Book 15, ISBN : 978-93-6252-198-9

**Dr.Uma Ramaswamy, Ahamed Anas.** Evaluation of phytochemical, antioxidant and antihemolytic activity of sequential extracts of aquatic fern *Azolla pinnata*, Chapter III, Page No 30- 43. Therapeutic Innovations in Life Science (Book series 1). International/ ISBN: 978-93-5747-726-0, Vol 1

**Dr. K. Nagalakshmi.** Therapeutic Innovations in Life Science (Book series 1). Editor and author. International/ ISBN: 978-93-5747-726-0, Vol 1

**Dr.G. Sriram Prasath (Author), Dr. R. Selvam, R. Karthik.** Pharmacological Properties of Carvacrol: Focus on Its Antioxidant Potential. Book Chapter No: 6, Pg No:75-86. Therapeutic Innovations in Life Science (Book series 1). International/ ISBN: 978-93-5747-726-0, Vol 1

**Prof. M. Maria Caroline Rebellow, Dr. G. Sriram Prasath, Dr. A. Subramani.** Biomedical importance of Morin - A review, Futuristic trends in Biotechnology, Vol 3, Book 15, ISBN : 978-93-6252-198-9

**Dr. D.S. Pushparani, Dr. P. Indumathi.** Calorie Restriction for Longevity. Book Chapter No:4, Pg No: 44 to 59. Therapeutic Innovations in Life Science (Book series 1). International/ ISBN: 978-93-5747-726-0, Vol 1

## ALUMNI REMINISCENCE



**Mr. Duke Sholto Jeba Thomas**  
**BSc, MSc (2018-2023)**  
**Former President of Neuberg Crew (2022-2023)**  
**Founder and CEO**  
**Sprig Design, Chennai**

Greetings, Future Biochemist's, I am really excited to share my experiences gained from the Department of Biochemistry, DDGDVC. In 2018 I joined UG with full of energy and excitement to achieve something great. In 2019 I voluntarily worked for the Intercollegiate events like Cellutions and Sangam. During pandemic I was directed to conduct webinars and online programs with the full support of our dear faculties. During my Neuberg Crew presidential period 2022 - 2023, we conducted many departmental programme successfully. My heartfelt thanks to our formal HOD sir and all the faculty who crafted me to gain more valuable experience to handle both my professional career and own business with pleasure. I wish each and every one to achieve their very best. Thank you...



**Mr. U. Yuvaraj**  
**B.Sc & M.Sc (2019 - 2024)**  
**Former President of Neuberg Crew (2023-2024)**  
**Project Assistant ,**  
**CSIR- CLRI**

A journey from Student to Alumni

As I reflect on my five transformative years in our esteemed department, I am filled with gratitude for the experiences and relationships that have shaped my journey. Completing both my undergraduate and postgraduate degrees in biochemistry has provided me with a robust foundation of knowledge and critical thinking skills. During my time as a student, I had the honor of serving as the president of the Neuberg crew. This role was a remarkable opportunity that allowed me to collaborate with faculty and peers, fostering a spirit of camaraderie and innovation. Together, we organized events, workshops, and initiatives that not only enriched our learning environment but also strengthened the bonds within our community. I am proud to say that the department has always been a hub of creativity and intellectual curiosity. The support I received from professors and fellow students was instrumental in my development, pushing me to think critically and encouraging me to pursue my passions. As I move forward in my professional career, I carry with me the lessons learned and the memories made during my time at DDGDVC. I encourage current students to embrace every opportunity, engage with your peers, and take an active role in department activities. These experiences will shape your future in ways you can't yet imagine. I look forward to staying connected with the department and seeing how it continues to evolve. Thank you for being a part of my journey!