



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous)

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NEWC E TIDE

DEPARTMENT OF BIOCHEMISTRY

Volume : 04 Issue : 01 (July - Dec 2023)

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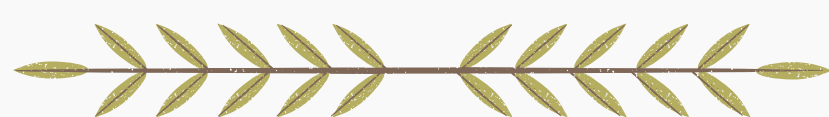
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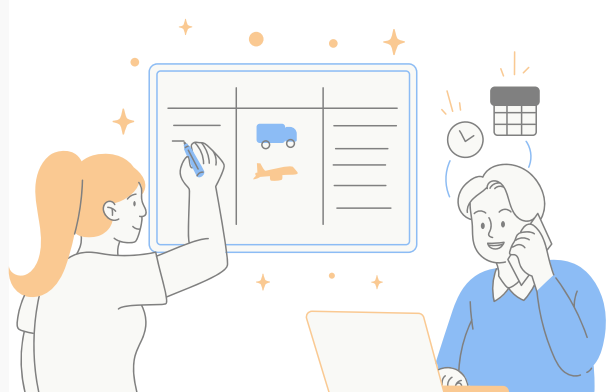
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EDITORIAL

Dear Readers,

To accomplish great things in life we must not only act, but also dream, not only plan, but also believe - Anatole France

The faculty and students of the PG and Research Department of Biochemistry have always utilised the opportunities coming on their way and excelled in various quarters. The present edition of Newcleotide is a memorable conglomeration of the activities of the Neuberg crew and has covered a long distance from its previous editions in the context of making it more accomodating, inspiring and encouraging for the faculty and students.

I take this opportunity to thank our Secretary Shri.Ashok Kumar Mundhra, Principal Dr. S.Santhosh Baboo and our Head of the Department Dr. P.T.Srinivasan for their consistent support & guidance in all our endeavors.

I feel ecstatic on being a part of this creative endeavour and congratulate the student editors for their indefatigable efforts in making this edition a fabulous one

Happy reading!

*Prof. M. Maria Caroline Rebellow,
Sub Editor*

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NEUBERG CREW

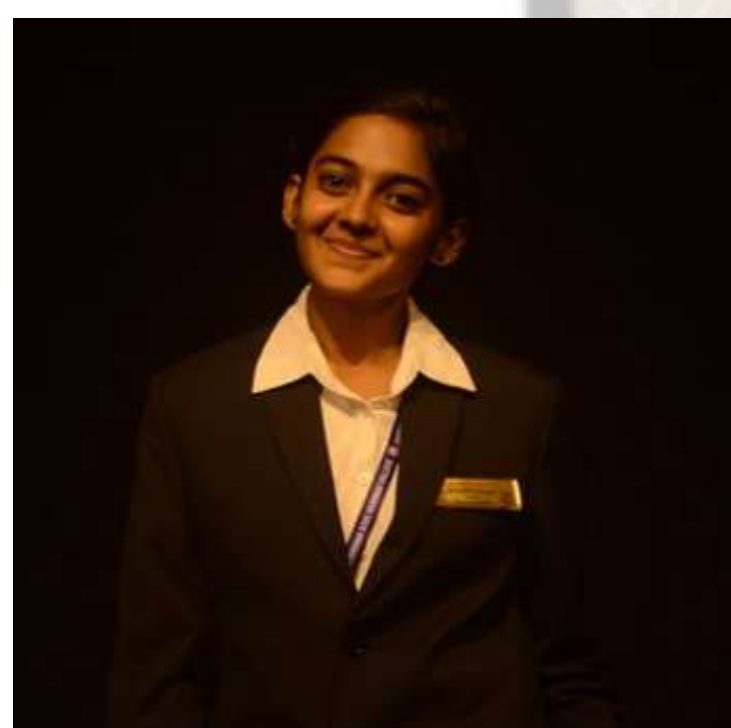
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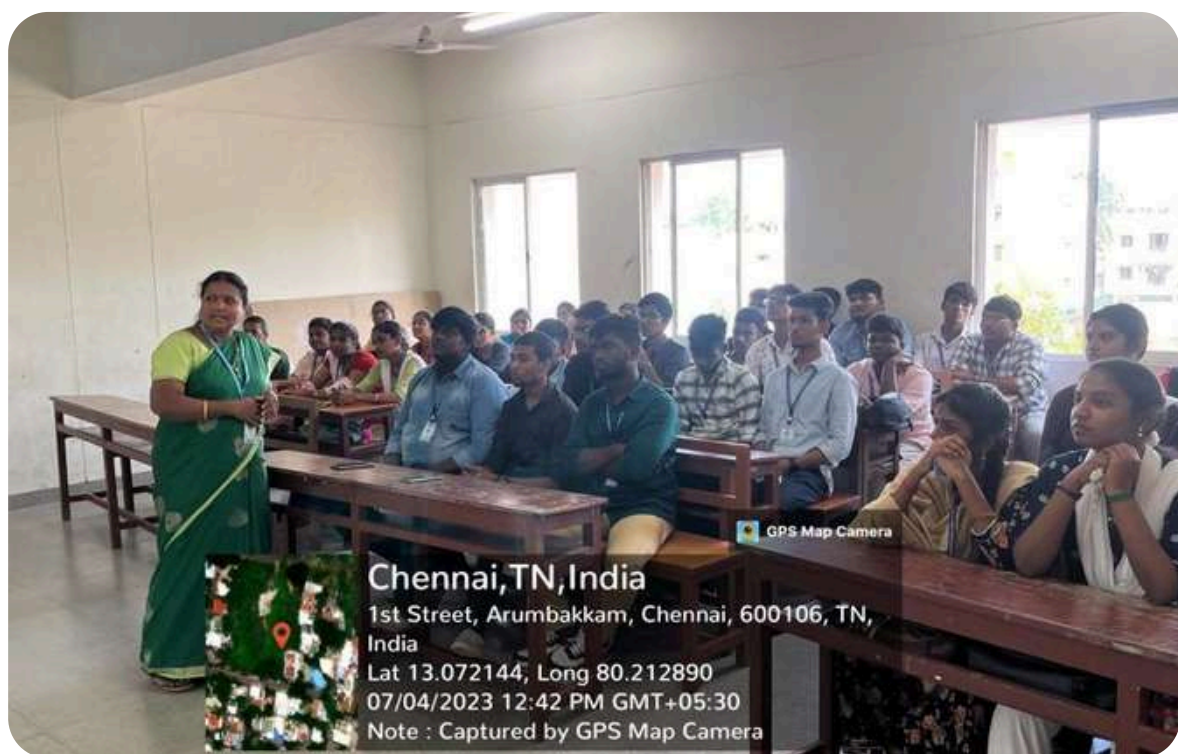


Ms. Cathrin M
Treasurer

DEPARTMENTAL ACTIVITY

DEEKSHARAMBH - STUDENT INDUCTION PROGRAMME

Deeksharambh 2023, organized by the Neuberg crew of the PG and Research Department of Biochemistry, which unfolded for over six days from July 3rd to 10th, aimed at ensuring a smooth transition for freshers into their new academic environment. The first day commenced with an overview of the department by the students of III B.Sc, highlighting the credentials of department head and faculty members. Dr. K. Nagalakshmi delivered an inspiring speech, urging students to participate in various events. Dr. P. Indhumathi then motivated with insights on "Students Goals and Aspirations," emphasizing the importance of setting and pursuing objectives. Prof. M. Maria Caroline Rebellow introduced the Neuberg crew office bearers and encouraged students for an active participation in events. The second day, hosted at Dwarka Auditorium, featured Mr. Moideen Basha's enlightening talk on career development, while the Controller of Examinations and Discipline Committee Head discussed exam etiquette and campus discipline. Dr. R. Uma passionately addressed self-esteem and empowerment, and Neuberg crew engaged students with fun games, fostering interaction. Day three commenced with the dynamic Professor Dr.D. Anandhi from Meenakshi Ammal Dental College and Hospital, who shared invaluable thoughts on "Personal Improvement and Career Focus." Engaging games hosted by II M.Sc students further enhanced the students participation. Dr. G. Sriram Prasath and Dr. A. Subramani enlightened attendees on the importance of various course offered and explained the semester exam marking system. Alumni Ms. A. Harini shared insights on overcoming procrastination, emphasizing organization, skill development, and the role of friends. The fifth day commenced with an informative session by Dr. Ashok Kumar, Associate Professor in the Department of Biotechnology at Vels Institute, shedding light on the scope of biochemistry. Dr. D. S. Pushparani detailed lab equipment usage, and Mrs. S. Ishwarya, lab demonstrator, provided a tour of department laboratories, offering valuable insights into the course's practical aspects. The sixth day was at Dwarka Auditorium, showcasing various clubs and committees of DDGDVC. Dr. Sulupriya, Head / Department of Social Work led an interactive session on "Human and Social Values," fostering a positive mindset among the students. Each session throughout the week aimed at motivating and equipping the incoming students for the exciting journey ahead.



DEPARTMENTAL ACTIVITY

EARLY CAREER ORIENTATION PROGRAMME

The Early career orientation programme in Biochemistry was organised by the Neuberg Crew of PG and Research Department of Biochemistry on 18th July 2023 at the Vallabhacharya auditorium. The event was graced by the Principal Capt. Dr. S. Santhosh Baboo, Head of the Department Dr. P.T. Srinivasan and our esteemed guest of honour Dr. Subramaniam. S, Lab Director/Head, Regenix Super Speciality Laboratories Pvt. Ltd Chennai. The event was further glorified by the presence of 4 resource persons- Mr. S. PremKumar, Managing Director, Swinsifosys – School of Medical Transcription. Ms. J.S Priya, Director, Stannis Institute of Allied Health Sciences, Porur, Dr. Anand Duraiswamy, Director, Clarius Biologicals Pvt. Ltd. Porur, Chennai and Mr. H. Abdul Navas, Senior Manager, KC Overseas-Osprey Academy, Nungambakkam, Chennai. Our guest of honour Dr. S. Subramaniam inspired the students by sharing his career journey and apprised about the courses offered in his lab which the students can avail to develop their skill in this field of work. Mr. S. Prem Kumar gave a brief explanation on the importance of biochemistry and then acquaint the students about the medical transcription and billing. Ms. J.S Priya, motivated the students by sharing her career journey and ignited a fire to strive hard to taste the essence of success. Mr. H .Abdul Navas suggested varied ways and ideas on how to opt the career in foreign countries. Dr.Anand Duraiswamy stressed the importance of biochemistry in one's life and gave a clear picture of the various government organisations that offer validation & funding for start ups. His motivational words ignited a fire within the hearts of the students to emerge as a entrepreneur. Overall this event was very informative and all the students were highly motivated and enlightened about the various prospects available to excel in the field of Biochemistry.



DEPARTMENTAL ACTIVITY

INVESTITURE CEREMONY

“Leadership is not about titles or positions, It’s about one life influencing another”. The investiture ceremony of the Neuberg Crew was held on 24th August 2023 with a great anticipation in Vallabhacharya auditorium. To inculcate the leadership qualities in the students, the crew elected 7 core members. The ceremony was inaugurated by Principal Capt. Dr. S.Santhosh Baboo, Chief Guest of the day Dr. P.Thirugnanasambantham, Head of Rumi Herbals R&D Centre and Director of ROHEAL (Rohini holistic health centre) and our Head of the Department Dr. P. T. Srinivasan, graced the occasion. Our esteemed principal Dr. Capt. S. Santhosh Baboo appreciated the Department of Biochemistry for its remarkable contributions, enormous dedication and active efforts from members. The newly elected office bearers received their badges from principal and candidates were sworn in as our Head of Department conferred the oath to them and signed the pledge, symbolizing their commitment to upholding the values and progress of the Neuberg Crew. Our esteemed Guest of Honour Dr. P. THIRUGNANASAMBANTHAM, shared his inspiring life journey and introduced students to the array of certificate courses offered by EHEAR Trust and the immense scope available for life science graduates.



DEPARTMENTAL ACTIVITY

CANCER STEM CELLS - GUEST LECTURE

A Guest lecture on Cancer Stem Cells was organised by the PG and Research Department of Biochemistry on 6th October 2023. The Lecture took place at the Seminar Hall 1, I Floor, Main Block and commenced at 10 a.m. All I & II postgraduate and 12 final year UG students of the department and the faculty members attended the lecture. Stem cell biology has been incorporated in the curriculum course for I PG students from 2021. Our resource person Dr.G.Sudhandiran, Professor, Dept of Biochemistry, Head incharge, Centre for Stem Cell Research, University of Madras, Maraimalai campus, Chennai, elucidated the nature of cancer stem cells, the various cell death machinery and the cell signalling pathways involved in cancer. He sensitized about the latest technology and the researches carried out in cancer stem cells. He ignited a fire within the students to do research in stem cells and also enlightened them about the scope of the course.



DEPARTMENTAL ACTIVITY

UDYOG UTSAV

The Udyog Utsav was organised by DDGD Vaishnav College on 07th October 2023 in the Ganga Block. This programme was organised for the school students to enlighten them on the wide variety of courses available for a successful career. Prof. M. Maria Caroline Rebellow highly motivated and enlightened the students about the Biochemistry Department and its various career opportunities. Ms. K. Jeyapriya and Ms. K. U. Dharshana of III BSc. Biochemistry portrayed a vivid picture about the department activities and various kinds of provisions available to channelize their potentials. It was a highly successful event backed by the crew members U. Yuvaraj, V. Vishnu, M. Divya Dharsa, K. Saran Kumar, P. Akash, P. Kamesh, A. S. Ganesh, & S. Charan Kumar



ALUMNI PHILANTHROPY



Our notable Alumni, Dr. Latha Ashok (Director, R&D MitoGENE technologies Pvt. Ltd.) who graduated from our department in 2004 has gifted a Labnet Agarose Gel Electrophoresis unit to the department on the occasion of Teachers day. The Neuberg crew acknowledges & appreciates this wonderful gesture of its alumni.

DEPARTMENTAL ACTIVITY

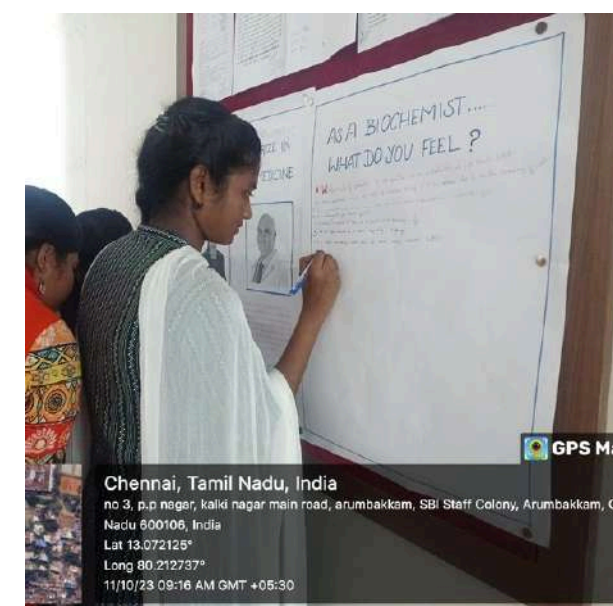
WORLD FOOD DAY

Food is a blessing from God that we should share and it is love from someone who cares about us. The Neuberg Crew of PG & Research Department of Biochemistry celebrated World Food Day on 16.10.2023 through various online Inter-Departmental events like E – quiz , Photography and Meme creation on the theme “Water is life, Water is food, Leave no one behind” was organised by the faculty coordinator of Neuberg Crew Prof. Mrs. M. Maria Caroline Rebellow. E-Quiz was conducted via google forms. Students from various streams actively participated and certificate of merit was given to all those who scored 75% and above. The best entry from Photography and Meme creation competition was awarded. This event emphasized the need to minimize food wastage and the importance of eradicating malnutrition in all the younger generation.



STUDENTS' CORNER-SHARING INSIGHTS

Student corner on the department notice board is not just a space for announcements; it's a platform for thoughts, ideas, and reflections. A chart on Nobel Prize Winners in Physiology 2023 for the development of mRNA vaccine against COVID 19 was placed to delve the students into discussions, share insights, and inspire one another to continue pushing the boundaries of the scientific exploration.



AYUDHA POOJA CELEBRATION

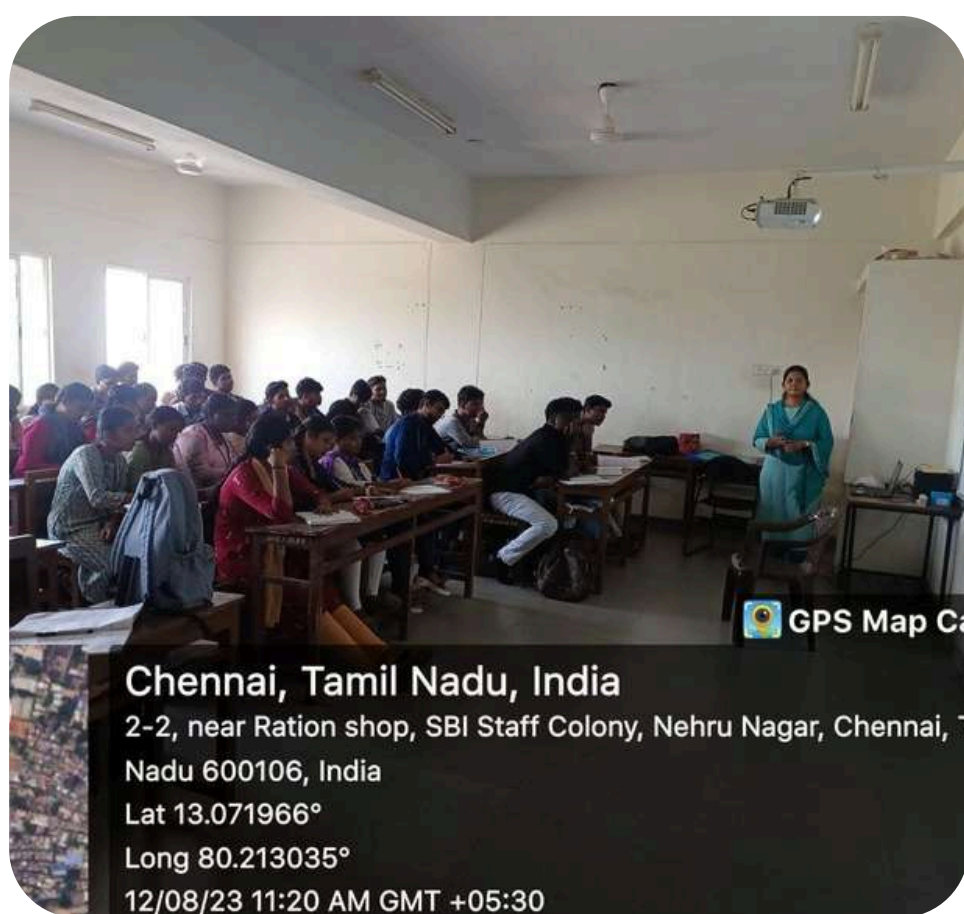
The PG and Research Department of Biochemistry celebrated the auspicious Saraswathi and Ayudha Pooja on 20th October 2023. All the faculty and students of the department came together in the PG lab to seek the blessings of the goddess of knowledge, music, art and culture. The fragrance of flowers, the aroma of the burning camphor filled the environment with peace. Sweet Pongal and Sundal was distributed as Prasad to all attendees.



DEPARTMENTAL ACTIVITY

VALUE ADDED COURSE

In partnership with Dwaraka Doss Goverdhan Doss Vaishnav College, Mitogene Technologies, Pvt, Ltd offered a value-added course to 29 second-year M.Sc. graduates and 44 third-year B.Sc. graduates. The course lasted for thirty hours, consisting of ten hours of theory and twenty hours of practical instruction. The focus of the course was on Nano Biotechnology and its uses. Deep grasp of Nanotechnology in relation to Nano Medicine was offered by this course.



INDUSTRIAL VISIT

Dr. Sangeetha Sathayanarayanan and Prof. S. Vaidehi arranged an industrial visit to AV Diagnostics for the II M.Sc. students. The students learnt about the background procedures and tests run in the diagnostics centre. Students gained a clear picture about the operation of a fully automated analyzer.



DEPARTMENTAL ACTIVITY

BASICS OF STATISTICAL ANALYSIS USING SPSS - GUEST LECTURE

The Library, DDGD Vaishnav College in association with PG & Research Department of Biochemistry organised a Guest Lecture on “Basics of Statistical Analysis Using SPSS” on 03.10.2023. 34 PG students participated in the guest lecture. Dr.M.Kavitha, Assistant Professor, Department of Biochemistry welcomed the gathering. The programme was organised to give an exposure to the students on how to use the SPSS software effectively for their academics and research purposes. The resource person Dr.A.Thangaraja, Assistant Professor, VIT Business School, Vellore Institute of Technology (VIT), Chennai,gave a brief idea on statistical basics and hands on experience to all students. He taught how to enter data in SPSS, categorise and then to analyse using descriptive statistics.



INSIGHTS FROM THE INSIDE: A BIOINFORMATICS WORKSHOP

A Bioinformatics Workshop "INSIGHTS FROM THE INSIDE" was organised by the Neuberg Crew of Postgraduate and Research Department of Biochemistry on 28th December, 2023. The resource team Dr. Karthick Vasudevan, (MSc., Ph.D, Post doc., Associate Professor, Dept of Biotechnology, Reva university, Bengaluru, India) , our Distinguished Alumni Mr. Prasanna Kumar.S and Mr. Santhosh. M.E (UG, 2019-2022) , who are currently pursuing PG in Bioinformatics from Reva University gave a brief introduction and a clear overview of bioinformatics. They described the file formats, servers used in the field of bioinformatics and gave hands on training in aligning DNA sequences and Phylogenetic analysis which is done using MEGA software. Our alumni were extended a warm welcome by the Head of Department Dr. P. T. Srinivasan. This workshop organised by Prof. S. Vaidehi was a huge success, filled with warmth and knowledge sharing between the alumni and their aspiring juniors.



DEPARTMENTAL ACTIVITY

HEALTHY MILLETS, HEALTHY PEOPLE

The Neuberg Crew of PG and Research Department of Biochemistry organized a State level Symposium on “Healthy Millets, Healthy People” to celebrate the International Year of Millets 2023 on 18th December 2023. The event was adorned by the presence of Principal Capt. Dr. S. Santhosh Baboo, Head of the Department Dr. P.T. Srinivasan, distinguished resource persons Mrs Bavani Pazhani (Assistant Professor, Nutrition Dietetics And Food Service Management, Ethiraj college) , Dr. M. S. Shree Devi (Research Officer (Siddha), Siddha Central Research Institute, Chennai),and Dr. S. Ashokan (Chief Siddha Medical Officer, Rohini Ayurvedic Health Center, Chennai ,Head of Marketing department,Rohini Global Marketing Pvt Ltd, Chennai), the faculty members and the students from various colleges.

To enrich more knowledge on millets three enlightening talks were organized where Mrs Bavani Pazhani gave an informative talk on ""Mighty Millets for Healthy Future" whose speech was studded with several useful health tips to lead a healthy lifestyle. Dr. M. S. Shree Devi discussed about "Role of Millets in Metabolic Syndrome" where she underlined the pivotal role of each variety of millets and their nutritional assets. . Dr. S. Ashokan on the topic "Millets for Brain and Beauty " portrayed the stress endured by students and the ways to tackle it. His motivational words ignited a fire within the hearts of the students to develop a zeal and enthusiasm to learn new things.



HEALTHY MILLETS, HEALTHY PEOPLE

The symposium was a culmination of various events meticulously organized to highlight the importance of incorporating millets into our daily diet. A series of engaging events were conducted like E- Poster presentation, Poetry, Doodling art, Meme creation, Photography, Flameless Cooking and Minute To Talent. Students from various colleges enthusiastically participated in the events. These events have not only fostered knowledge exchange but have also paved the way for a broader understanding of the vital role millets play in cultivating a healthier food culture.

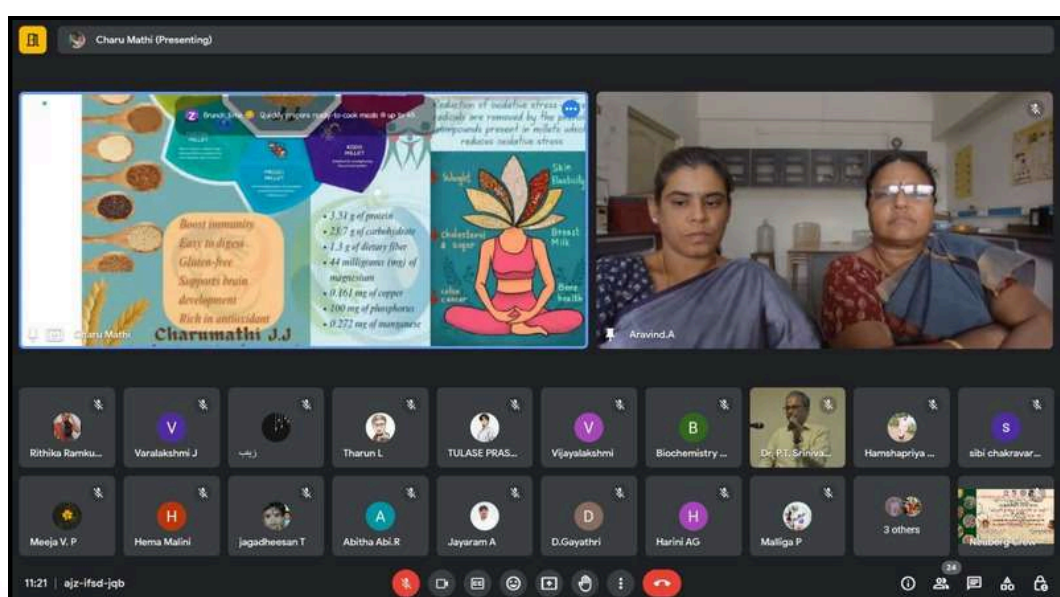
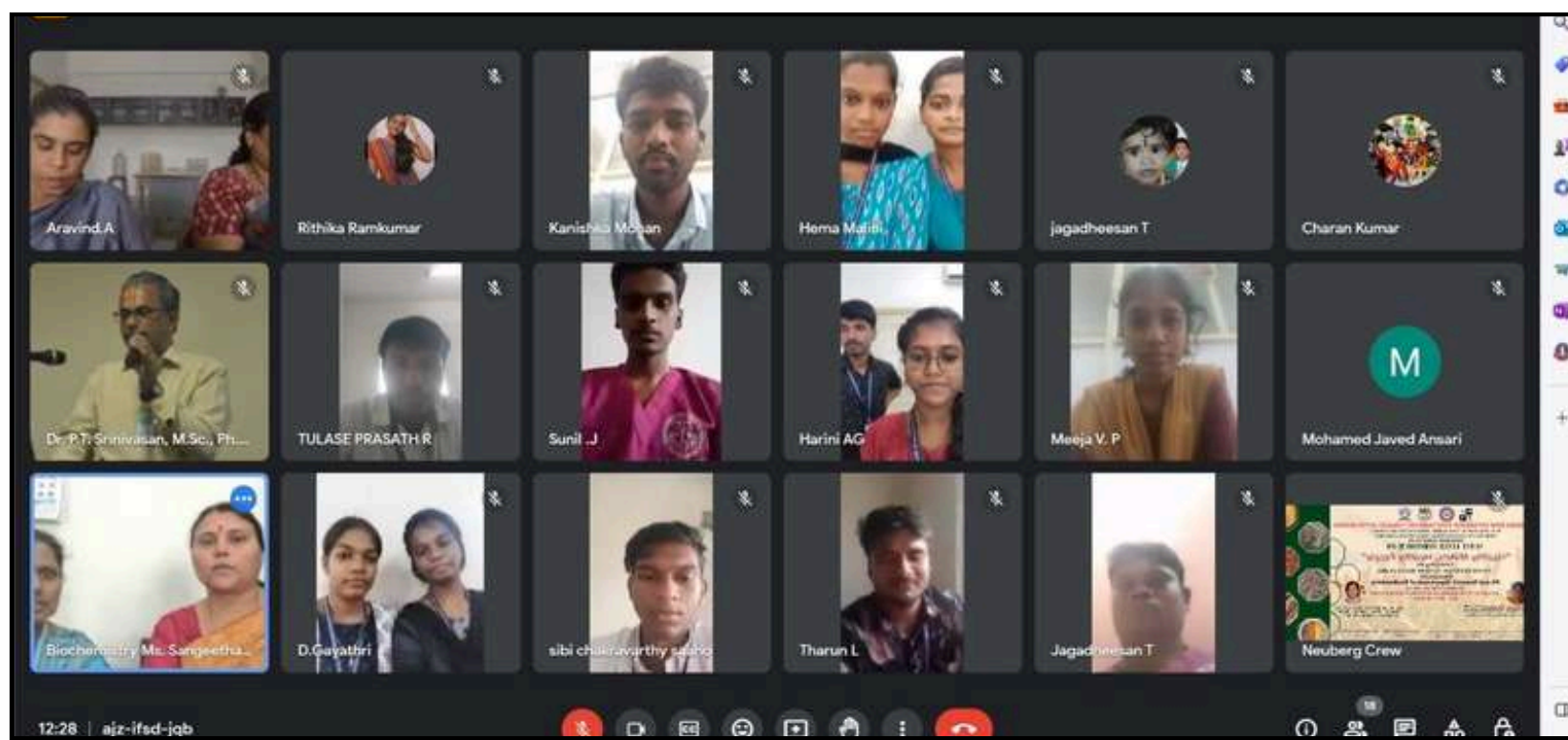
The symposium was wrapped by presenting the prizes to the winners of all the 7 events. Overall this symposium marked a significant occasion which promoted the immense nutritional benefits of millets, fostering awareness about their crucial role in promoting a healthier lifestyle



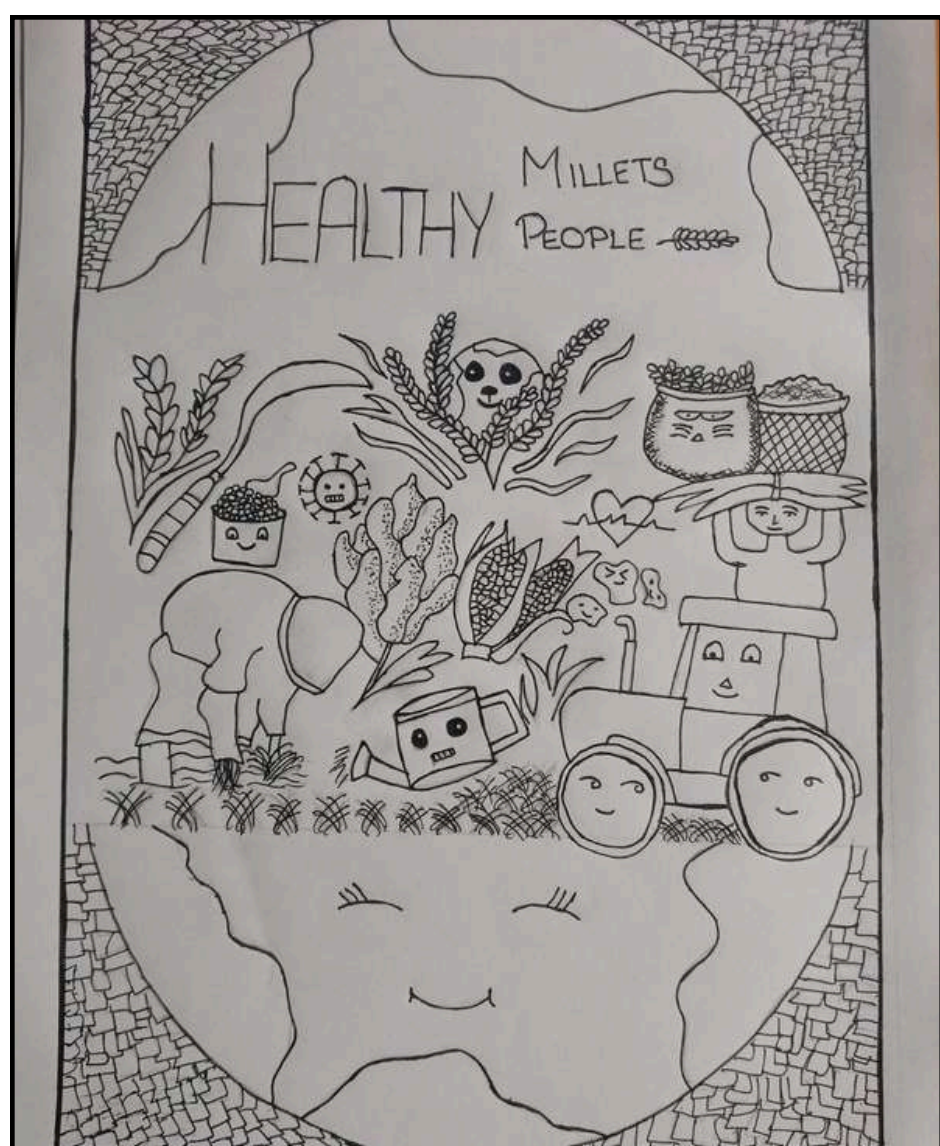
FLAMELESS COOKING



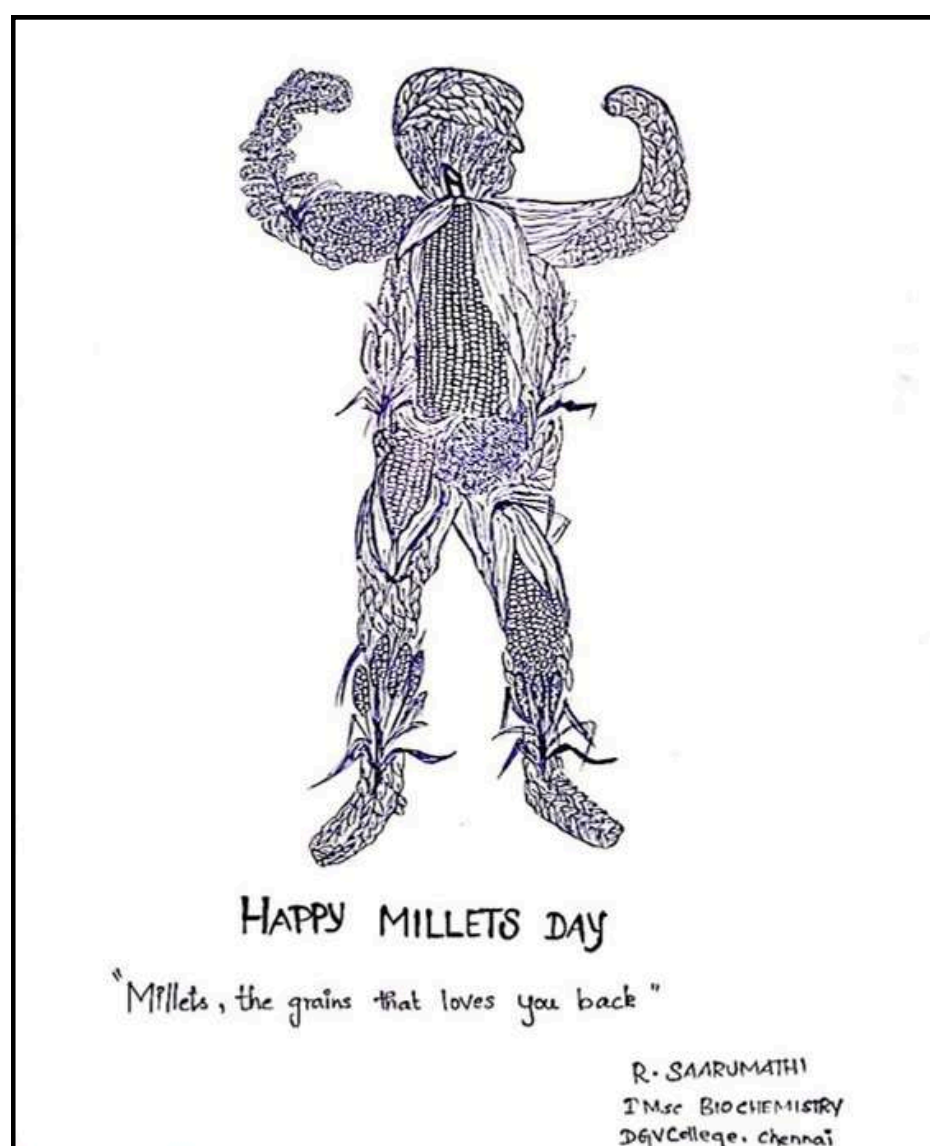
E-POSTER PRESENTATION



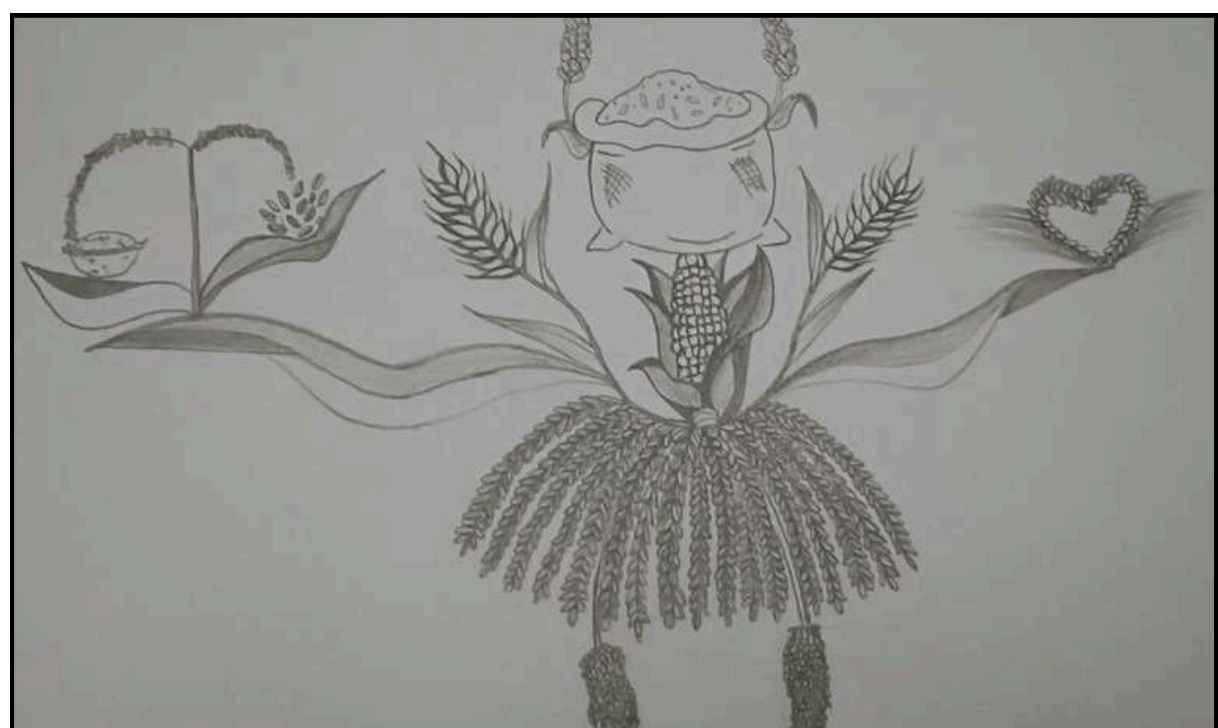
DOODLING ART



Ms. T. Vidhya
I BSc Biochemistry
DDGDVC



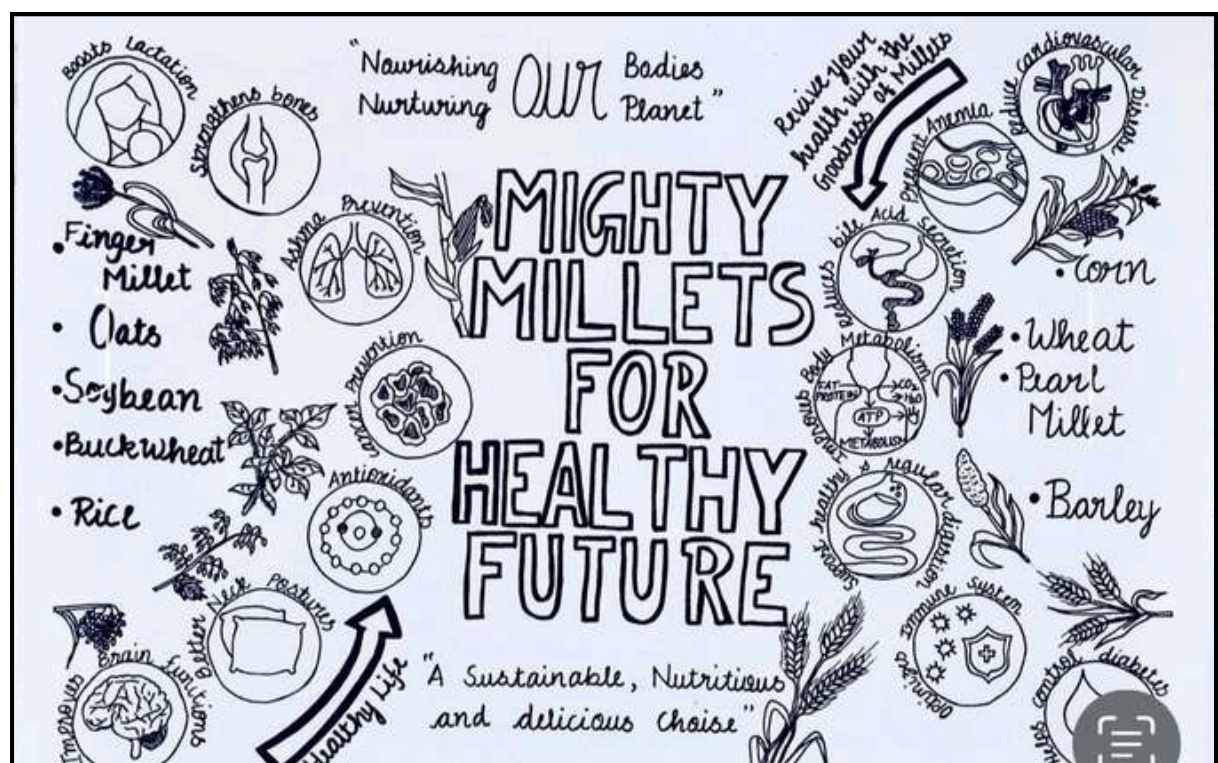
Ms. R. Saarumathi
I MSc Biochemistry
DDGDVC



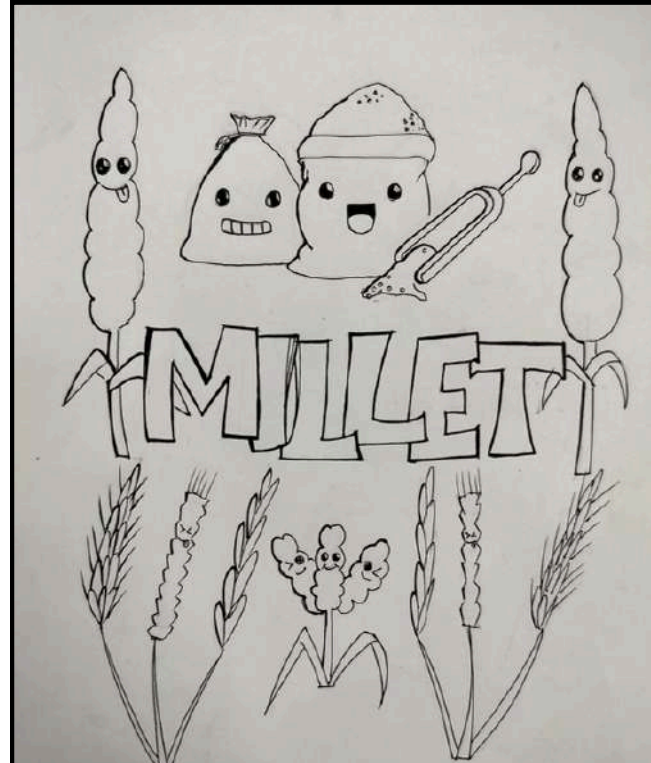
Ms. Padmasri P
I BSc Nutrition and Dietetics
Ethiraj College for Women



Ms. Sakshi Mahbubani
II BSc Microbiology
Ethiraj College for Women



Ms. Dhanalakshmi S
I MSc Biochemistry
DDGDVC



Mr. R.V. Vishwa
I BSc Biochemistry
DDGDVC

POETRY

MILLET TALE

In fields of green, where nature's art unfolds,
Millets stand tall, their beauty untold,
With grace they sway, in the gentle Breeze,
A tapestry of nourishment, for all to seize.
Pearl millet dances with the morning light, Sorghum sways, a symphony so bright

Finger millet, slender and proud
In the gentle Breeze whispers aloud.
In humble grains, a powerhouse lies,
A packed with nutrients, a pleasant surprise. Fibre protein vitamins abound,
Millets a treasure, in the food we've found.

From porridges warm, to breads so divine, Millets enhance every mealtime.
They fuel our bodies, with energy and might,
Keeping us healthy, morning to night.

From ancient grains to a modern trend,
Millets journey, a Tale to commend.
In every meal, a sweetness unfolds
A story of millet forever told.



Ms. R. Hemamalini
II BSc Biochemistry
DDGDVC

தூணியும், நான்கிசுமூன்று கவிதை என்ரு ஹறுவதை விட ; அந்திய
சூழ்தைகளுக்கும் , பெரியவர்களுக்கும் மத்தும் வெளிநாட்டவர்களுக்கும்
நாடுசேரும், பிாட்டசேரும் , சக்தியும் கொடுத்த மகனாடு
வாழ்வை மெம்படுத்தும் உரிமை காதுர் ரண்டு பொந்திய வணக்க வேண்டும்

கடையும் அலையையும் பொல நெல்லும் , சோதனையும் உலகில்
மிருந்த அந்தும் கொணாவை அல்லவா!
அகிம்சை, நாடாச அருகை ஷடிய அந்தியாவில்,
நெய் தாட அந்தியர்கள் அதுகம் உணவும் நெல்லும் ;
வா தாட அந்தியர்கள் விருமி உணவும் சோதனும் நெல்லும் ;
மெந்த அந்தியர்கள் அதுகம் உணவும் ஷடிய கம்பு சந்தியும் ;
கிழக்கு திசையில் உணவை ஷடிய வந்திசோதனையும் ;
புமிமில் அந்திந்த கிடைக்கின்றன.

தமிழர்களைப் பாரம்பரிய விணையான "இல்க்கைட,
சூந்தி , கடி , சூந்திசேசனாட" என உணந்து ஷடியமிரும்
உன் துணை அில்லாமல் வென்று முடியாதுவல்லவா!
என முடியாத சூந்தில் மந்தவர்களுடைய கையகம் அந்திந்தும்
பல உறவினர்களை கலியும், கிண்டியும் செந்தும் ; சூ
முள்ளி அளகிந்த எடி விடாமல் என்ரு சூழ்க்கையில் ; அவர்கள்
உண்பதற்கு உணமிடமிருந்த கிடைக்கும் அந்தும் விணையிடமுண்டவ.



Mr. H. Mohammed Shahid
I BSc Biochemistry
DDGDVC

MIRACLE MILLETS

Small seeds in a green scene.
Millets whispers are quietly seen.
My poem is just a healthy melody,
About the king which prevents us from malady!

A small round yellowish seeds
Helps in removing all your weeds!
Hope you guessed the nutritious wallet,
Which is nothing but a healthy millet!

sorghum keeps your gut healthy,
Whereas Bajra makes your bones wealthy.
Ragi has a special proteins,
Which delights you with the tastings.

All the junks are just tales,
Which is only for its sales.
One who eats these are probably ddt,
Who leaves a healthy bowl of malt.



Ms. P. Priyadharshini
I BSc Biochemistry
DDGDVC

Millets: Obscured wealth

Finally, we talk of the hidden gem,
sprouting out as a kernel on the stem.
This little seed has been taken for granted,
amidst the heat and drought, it can be planted.

A crucial component of G20's epic spotlight,
narrating it's importance, like a playwright.
Aiming at sustainable farming practices,
wonderful minuscules, curing all damages.

Sparkling with the hues of a Lapwing's crest,
rich in niacin, pyridoxin, folic acid, it's the best.
Ultimate power to prevent the onset of diabetes,
small seeded grasses of the *Poaceae*'s.

From shaping healthy roti's to tasty halwa,
they inhibit bacterial growth, preventing diarrhoea.
King seat of millets crowned by Sorghum,
the healthiest crunchy munch of boredom.

Managing the inflammation of the gut,
it's inclusion in diet is a healthy shortcut.
Famed to cause a minimal environmental footprint,
millets are a popular celebrity, in the newsprint.
Nourishing our soul, nurturing our planet,
be wise and weave yourself a healthy jacket.

Ms. Sakshi Mahbubani
II BSc Microbiology
Ethiraj College for Women

STUDENTS ACHIEVEMENT



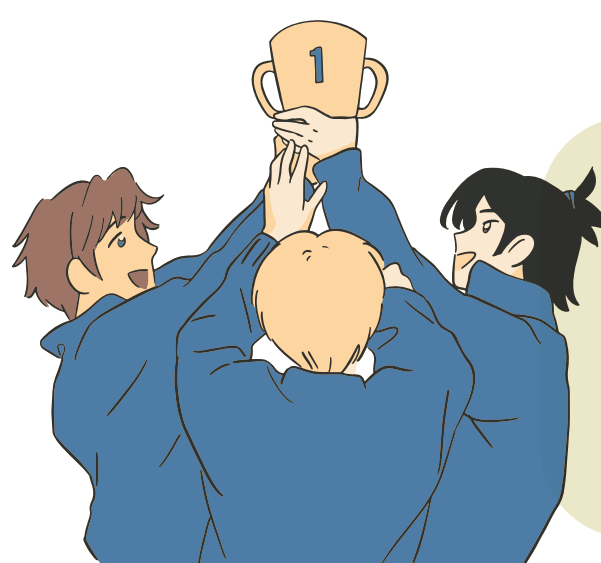
Jeyapriya K (21E2708), Priya T (21E2704)

DDGDVC won SECOND PRIZE in T- Shirt Painting (HUE IN YOU), MICROFEST

Ankit kumar P (21E2739), Syed Abthakir M (21E2720)

III BSc Biochemistry

DDGDVC secured RUNNER UP Prize in Quiz (TRINE THRONE), MICROFEST



The PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY, DDGDVC won the OVERALL CHAMPIONSHIP in MICROFEST organised by Department of Microbiology, Ethiraj College on 17th August 2023

Yuvaraj U (22E4703)

II MSc Biochemistry

Won FIRST PRIZE in Photography (LENS CRAFT) event in TECHNOSAVIOUR - 2023 organised by the Department of Biotechnology, DDGDVC on 15th December 2023



Kavitha S (23E2738), Nishanthi C (23E2722) - I BSc Biochemistry

Akhila V (22E4715) - II MSc Biochemistry

Won prizes in the Mushroom recipe competition organised by Department of Biotechnology on 20th July 2023 as a part of Golden Jubilee Celebration of Microbiology Society of India





Yuvan Kumar S (22E2732)

II BSc Biochemistry

Secured the **FIRST PLACE** in Chengalpattu District Junior Athletics Championship.

Secured the **FIRST PLACE** in (Hurdles) in State level Athletics Championships meet held on 5th September 2023 in J.Nehru Stadium, Chennai.

Abitha R (22E4721) , Yalini G (22E4705)

II MSc Biochemistry

Won **THIRD PRIZE** in the **PAPER PRESENTATION** competition in the two days National Seminar on “Thrive for Safe food ; New and Novel Technologies” organised by Department of Microbiology, DDGDVC on 5th and 6th October 2023 .



Mithran R (22E2735)

II BSc Biochemistry

Secured **FIRST PLACE** in **DUO ADAPTUNE** (Dance competition) in **NEGOTIUM 2023** , an Inter collegiate event organised by the A&F Department, DDGDVC on 20th December 2023 .



Ankit Kumar P (21E2739), Santhosh A (21E2702), Rithika R (21E2714)
III BSc Biochemistry

Secured **FIRST PLACE** in **CONNEXION** event in the "REPLICA 23" organised by the Department of Biochemistry, Ethiraj College on 11th October 2023



Rithika R (21E2714), Vaishnavi H (21E2745), Santhosh A (21E2702), Kanishka P.M (21E2706)

III BSc Biochemistry

Secured **SECOND PLACE** in **GENE SCULPT** event (Model Making) in the "10th NATIONAL DNA DAY" organised by the School of Bio sciences and Technology, VIT Vellore held on 7th and 8th October 2023



Shandhini N (22E2720)

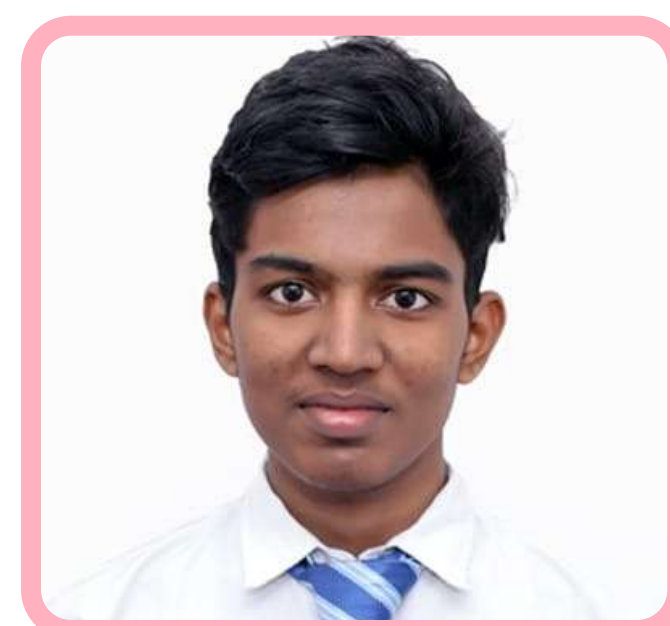
II BSc Biochemistry

Participated in **STATE YOUTH FESTIVAL** at Kalaivanar Arangam on 24th August 2023

Vishwa R. V (23E2711)

I BSc Biochemistry

Won **SECOND PRIZE** in **DRAWING COMPETITION** in "FUNGI DAY CELEBRATION" organised by the Department of Biotechnology on 3rd and 4th October 2023





Meeja P (22E2739), Mithran R (22E2735), YuvanKumar S (22E2732), Kirthika G (22E2731), Shyamini R (22E2733), Baskar S (22E2726), Arshath M. d(22E2709), Rachel Ruby Rebekah K (22E2711)

II Biochemistry

Secured **SECOND PLACE** in ADZAP competition in “**BIOFEST 2023**” organised by Department of Biotechnology, Stella Maris College on 14th September 2023

Students of **I BSc and II BSc. Biochemistry** have attended the lecture of **Nobel Laureate Dr. T. Pradeep** at Periyar Science and Technology Center on the topic of “**Discovery and Development of Quantum Dots**” on 21st October 2023.



Rajesh B (23E2737) and Kavitha S (23E2738)

I BSc Biochemistry

Won **FIRST PRIZE** in the “**HEADS UP**” event in the 3 days **INTERNATIONAL SYMPOSIUM** organised by the Vels University on 12 – 14th October 2023.



Priyadharshini P (23E2703) and Divya U (23E2710)

I BSc Biochemistry

Won **FIRST PRIZE** in the “**CONNECTIONS**” event in the 3 days **INTERNATIONAL SYMPOSIUM** organised by the Vels University on 12 – 14th October 2023.



Harini A.G (23E2707) and Harini N (23E2706)

I BSc Biochemistry

Won **SECOND PRIZE** in the “**CONNECTIONS**” event in the 3 days **INTERNATIONAL SYMPOSIUM** organised by the Vels University on 12 – 14th October 2023.

PRIZE WINNERS IN MILLETS DAY SYMPOSIUM



Charumathi J. J (22E4724)
II MSc Biochemistry
Won **FIRST PRIZE** in **E-POSTER PRESENTATION**



Archana G (22E2740) and Hemamalini R (22E2719)
II BSc Biochemistry
Won **SECOND PRIZE** in **E-POSTER PRESENTATION**



V.T. Sai Saran (23E4713) and R. Hariharan (23E4706)
I MSc Biochemistry
Won **SECOND PRIZE** in **FLAMELESS COOKING**



Rajesh B (23E2737) and Kavitha S (23E2738)
I BSc Biochemistry
Awarded with a **SPECIAL PRIZE** in **FLAMELESS COOKING**



Saarumathi R (23E4728)
I MSc Biochemistry
Won **FIRST PRIZE** in **ARTISTIC ABSTRACTIONS (Doodling)**

T. Vidhya (23E2729)
I BSc Biochemistry
Won **THIRD PRIZE** in **ARTISTIC ABSTRACTIONS (Doodling)**



Hemamalini R(22E2719) II BSc Biochemistry and H.Mohammed Shahid (23E2702) I BSc Biochemistry
Won **FIRST PRIZE** in **INKSPIRATIONAL INKTOPIA (Poetry)**



FACULTY ACHIEVEMENTS



Dr. P. T. Srinivasan

Acted as a **Resource person** - for **FIP** in

- Dwaraka Doss Goverdhan Doss Vaishnav College.
- **REVA University Bangalore** on 23rd September 2023.
- **Hindustan Institute of Technology & Sciences** on 4th October 2023.
- **Workshop on CO PO attainment** held at DGVC on 2nd December 2023.
- **FDP on Effective Pedagogy Tools for Lifescience** that held at **Theivanai Ammal College for Women in Vilupuram** on 22nd December 2023.
- Served as **Judge** for **Rajya Stariya Bal Vaigyanik Pradarshani (RSBVP science exhibition)** at **PM Shri Kendriya Vidyalaya, Anna nagar** on 19th and 20th December 2023.

Dr. R. Uma

Served as an **External member (Board of Studies)** in **Bharathi Women's College, Chennai** on 25th September 2023



Dr. D. Saravanan

Awarded with **BEST INNOVATIVE FACULTY AWARD** by **SRR Scientific Publishers** on 15th October 2023.

Dr. M. Kavitha

Awarded with the **EXCELLENCE IN WOMEN EDUCATIONIST AWARD** by **SIDVI Society for Research and Development**, August - September 2023.





Dr. Sangeetha Sathyanarayan

Awarded with the **BEST INNOVATIVE PRACTICES AWARD** by SRR Scientific Publishers on 15th October 2023.

Won **THIRD PRIZE** in poster presentation in National Seminar organized by the Department of Biomedical Sciences, Sri Ramachandra Institute of Higher Education and Research on 17th November 2023.

Prof. S. Vaidehi

Awarded with **BEST INNOVATIVE FACULTY AWARD** by SRR Scientific Publishers on 15th October 2023.

Won **THIRD PRIZE** in poster presentation in National Seminar organized by the Department of Biomedical Sciences, Sri Ramachandra Institute of Higher Education and Research on 17th November 2023.

Acted as **RESOURCE PERSON** in IIC – DDGDVC (internal Expert talk) on 4th September 2023



Dr. G. Sriram Prasath

Awarded with Dr. Sarvepalli Radhakrishnan SRRS' **BEST TEACHER AWARD 2023**, Scientific Research Reports on 5th September 2023.

Awarded with **BEST INNOVATIVE FACULTY AWARD** by SRR Scientific Publishers on 15th October 2023.

Prof. M. Maria Caroline Rebellow

Awarded with Dr. Sarvepalli Radhakrishnan SRRS' **BEST TEACHER AWARD 2023**, Scientific Research Reports on 5th September 2023.





Dr. D. S. Pushparani

Awarded with **ACADEMIC EXCELLENCE AWARD 2023-2024** by SRR Scientific Publishers

Dr. A. Subramani

Awarded with Dr. Sarvepalli Radhakrishnan SRRS' **BEST TEACHER AWARD 2023**, Scientific Research Reports on 5th September 2023.

Awarded with **BEST INNOVATIVE FACULTY AWARD** by SRR Scientific Publishers on 15th October 2023.

Served as an **EDITOR** in Book Chapter "**Recent Development in Multidisciplinary Science and Technology Field**", Volume II, 2023.

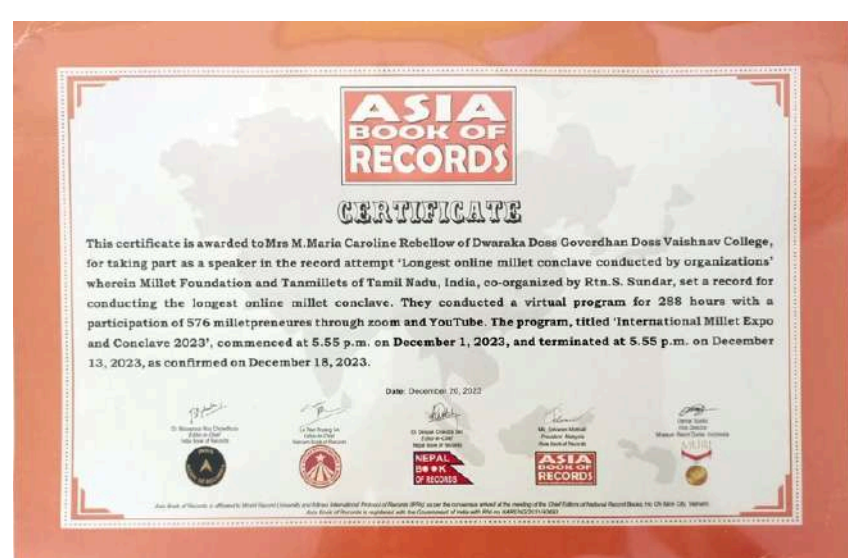


Dr. D.S. Pushparani & Dr. P.T. Srinivasan have obtained a patent (42/2023) for development of Anti-microbial Biodegradable Plastic films using Poly Lactic acid with Cardanol oil and Leaf Extracts for Food Packaging Industries.

Patent Publication-**IPR, India.**

Date: 20/10/2023





We are delighted to record the remarkable participation of our esteemed faculty members, **Dr. Sangeetha Sathyanarayan, Prof. S. Vaidehi and Prof. M. Maria Caroline Rebellow** as Speakers in the prestigious **INTERNATIONAL MILLETS CONCLAVE & EXPO 2023** hosted by the Tanmillets & Millets Foundation, a **WORLD RECORD EVENT** recognized by the **ASIA BOOK OF RECORDS**.

Topics :

Dr. Sangeetha Sathyanarayan : "Healthy millets, Healthy people"

Prof. S. Vaidehi : "Millets - Superior grain, climate smart crop"

Prof. M. Maria Caroline Rebellow : "Millets - a treasure trove of bioactive components"

The Neuberg Crew **CONGRATULATES** our esteemed faculty members for their outstanding achievement in advocating the invaluable potential of millets.

PUBLICATIONS

L. Benazir Ali, I. Salim Meeran, **Annadurai Subramani** & T K Shabeer. “Design, Molecular Simulation, DFT and ADME Prediction of Some New Schiff Base Diols; Potential standalone or adjuvant Against Cortisone Reductase Deficiency²”. *European Chemical Bulletin*. Doi: 10.48047/ecb/2022.11.12.177

Sivan Arulmozhi, Gopalakrishnan Sasikumar, **Annadurai Subramani**, Mustafa K. A. Mohammed, Syed J. Askar Ali, Sasikumar Ponnusamy, Majid S. Jabir, Abdallah M. Elgorban, Wanli Zhang, and Hema Natarajan. “Chemical, Pharmacological, and Theoretical Aspects of Some Transition Metal(II) Complexes Derived from Pyrrole Azine Schiff Base”. *ACS Omega* 2023, 8, 38, 34458–34470.

R. Revathi, M. Sukumar, Anuj Kumar, Manish Gupta, P. Aji Udhaya, Satbir S. Sehgal, Bidhan Pandit, M. Sundararajan, **A. Subramani**, Chandra Sekhar Dash, N. Senthilkumar, Mohd Ubaidullah. “Facile Synthesis of Ni²⁺ Doped MgFe₂O₄ Spinel Nanoparticles: Structural, Optical, Magnetic, and Dielectric Behavior”. *Journal of Inorganic and Organometallic Polymers and Materials* (IF 4),DOI:10.1007/s10904-023-02820-8

S.Jayakumar¹ , A.Vignesh , R.Aruna , **G. Sriram Prasath** , M.Hemalatha , Mukesh Kumar Dharmalingam Jothinathan and R. Shenbhagaraman. “Inhibitory potentials of Methanolic extract of flowers from *Musa acuminata* in human colorectal cancer”. *European Chemical Bulletin*, Doi: 10.48047/ecb/2023.12.si12.041

S.Vaidehi Manikandan, P T Srinivasan, M Magesh. “A Comparative Study of Air Pollution Tolerance Index in Plants”. *Indian Journal of Natural Science*.Vol.14 / Issue 80 / Oct / 2023 .ISSN: 0976 – 0997. (Indexed in Web of Science)

P Saranraj, **G Sriram Prasath** , Narayan D Totewad , M Manigandan , S Swetha. “Mosquito larvicidal activity of *Tridax procumbens* and *Solanum nigrum* ethanol extract – A comparative study”. *International Journal of Entomology Research*. ISSN: 2455-4758. Volume 8, Issue 12, 2023, Page No. 90-92

G. Sriram Prasath , M. Alga Celine Rebellow , Kannan G , and **A. Subramani**. “Assessment of Plants Sensitivity to Air Pollution using Physiological and Biochemical Parameters”. *Current World Environment*, ISSN: 0973-4929, Vol. 18, No. (3) 2023, Pg. 984-991.(In press) in Web of science, UGC care.

K. Nagalakshmi, G. Sriram Prasath. “Phytochemical Characterisation, antioxidant and antimicrobial efficacy of allspice *Pimenta dioica*”. *Research J. Pharm. and Tech*. 16(12): December 2023, 5878-5883 in SCOPUS.

BOOK CHAPTERS PUBLISHED

Dr. P.T. Srinivasan. Nutrigenomics: A review, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 1, Pg:1-11.

Dr. D. S. Pushparani. Bioavailability of Iron and Calcium after the Addition of Moringa Leaf Extract and Lemon Juice Extract on Black Strap Molasses, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 8, Pg:75-85.

Dr. G. Sriram Prasath. Glucose transporters - A review, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 6, Pg:60-74.

Dr. D. Saravanan. A study on nutritive role of *Azardichta indica* leaves extract (neem) in vitro approach and antioxidant, antibacterial and antifungal activity, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 2, Pg:12-23.

Dr. Sangeetha Sathyanarayan. Preliminary phytochemical screening, quantitation of antioxidant components if differently brewed green tea (*Camellia sinensis*) extracts, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 3, Pg:24-36.

Dr. G. Sriram Prasath, Prof. S. Vaidehi, Dr. Sangeetha Satyanarayan. Fruit ripening agents and biochemical changes in fruits, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 4, Pg:37-47.

Prof. M. Maria Caroline Rebellow, Dr. G. Sriram Prasath, Dr. A. Subramani. Curative potential of *Brassica juncea* seeds, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 7, Pg:75-85.

Dr. K. Nagalakshmi. Diabetes and Cardiovascular Disease induced by Oxidative stress in cellular signalling, *Exploring Frontiers in Bioscience Research, 2023*, ISBN 978-819649230-4, Chapter 5, Pg:48-59.

Dr. D. Saravanan. Glomerulonephritis-Bright's disease, *Advances in Pharmaceutical sciences*, (Vol. 2), ISBN: 978-93- 91342-23-4, Chapter 13, Pg: 156-178

Dr. D. Saravanan. Polycystic Ovarian syndrome and its pathogenesis, *Advances in Pharmaceutical sciences*, (Vol. 2), ISBN: 978-93- 91342-23-4, Chapter 14, Pg: 179-195

Dr. Sangeetha Sathyanarayan, Prof. S. Vaidehi. Biological activities and medicinal Properties of *Andrographis echoidies*, *Advances in Pharmaceutical sciences*, (Vol. 2), ISBN: 978-93- 91342-23-4, Chapter 15, Pg: 196-211

Dr. G. Sriram Prasath, Prof. S. Vaidehi. Pharmacological Properties of fisetin, *Advances in Pharmaceutical sciences*, (Vol. 2), ISBN: 978-93- 91342-23-4, Chapter 16, Pg: 212-229

Prof. M. Maria Caroline Rebellow, S. Charuhasini , A. Harini. Therapeutic potential of *Nigella sativa*, *Advances in Pharmaceutical sciences*, (Vol 2), ISBN: 978-93- 91342-23-4, Chapter 17, Pg: 230-245

ALUMNI REMINISCENCE



Ms. N.Pranya
B.Sc (2015 - 2018)

It's my pleasure and privilege to write about my alma mater. My life in D.G. Vaishnav College was transformative. The supportive environment, combined with the excellent facilities and research opportunities, helped me flourish academically and personally. From well-equipped labs to a vibrant library, the college provides all the resources you need to excel in your studies. The faculty and staff truly invest in our success. They are approachable, knowledgeable, and always willing to go the extra mile to help everyone achieve their goals. The college fosters a diverse and welcoming community where one can make lifelong friendships and explore their interests through various clubs and activities. D.G. Vaishnav College encourages a research-oriented approach, equipping us with critical thinking and analytical skills that are valuable for any career path. Currently I'm doing research on mesenchymal stem cells as a PhD. student at the ICMR-NIRRCH, Mumbai.

I extend my best wishes to all my juniors for their future endeavors and I would be glad to help them in any research related activities.

(n.pranya88@gmail.com).



Ms. G. Lakshmi Sri
MSc (2020-2022)
Biology faculty (SME)
IIT/NEET wing
Velammal Nexus school , Chennai

I graduated from DDGDVC with my Master degree in Biochemistry. Memories of my days in DDGDVC will be cherished always. No words is there to express my sincere gratitude towards the faculty of Biochemistry department. All the professors are my inspiration as I have incorporated their qualities to achieve many things in my career and life. The knowledge provided and concept explained in depth by them has helped me a lot in my career.

I always feel proud to be a alumna of DDGDVC and Department of Biochemistry as it moulded me to be a better person and made me to stand out from others.