



Sri Devaraj Urs Academy of Higher Education & Research

Comprising Sri Devaraj Urs Medical College

(A Deemed to be University)

Research and Development Cell

Central Ethics Committee Re-registered under CDSCO -Registration No. ECR/425/Inst/KA/2013/RR-20 dated 28.4.2020

National scientific conclave on Interdisciplinary Research

Revolutionizing Health Outcomes through collaborative efforts across Basic,
Allied Health & Medical Sciences

Conference report

Day 1 – 4th February 2025

Theme: Diabetes

Event: Invited scientific talk - 1

Time: 9.00AM to 9.45AM

Speaker: Dr. M Balasubramanyam, ICMR Emeritus Scientist & Professor, Madras Diabetic
Research Foundation, Chennai.

Topic: Omics advancements and the road map of precision medicine in diabetes

Chairpersons:

Dr. Prabhakar K
Principal & Dean
SDUMC, SDUAHER

Dr. Sarala N
Professor
Dept. of Pharmacology
SDUMC



The speaker highlighted the following points:

- The burden of diabetes around the world, mainly in India. The statistics of the incidences, age group and regional populations.
- The speaker emphasized recent advancements in diabetes treatment and the importance of adhering to dietary precautions.
- The talk primarily focused on precision medicine in diabetes and advancements driven by omics technologies.



Event: Invited scientific talk - 2

Time: 9.45AM to 10.30AM

Speaker: Dr. Sindhu S, Senior Dietician, Ernakulam Medical Centre, Kochi, Kerala.

Topic: Nutrition dynamics for the prevention and management of diabetes

Chairpersons:

Dr. Vidya Sagar
Professor & Head
Dept. of General Medicine
SDUMC, SDUAHER

Dr. Madhavi Reddy M
Professor
Dept. of Clinical Nutrition & Dietetics
SDUAHER



The speaker highlighted the following points:

- The global incidence of diabetes and its prevalence across various states in India.
- The speaker highlighted key factors influencing diabetes, along with survey data from different sectors.
- The speaker emphasized the importance of diabetes and dietary knowledge, noting a lack of awareness in the population.
- The talk addressed gestational diabetes in mothers and children, explaining its impact and intergenerational transmission.
- The speaker provided information on standard exercise and dietary guidelines at both global and national levels.

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Event: Invited scientific talk -3

Time: 10.30 AM to 11.15AM

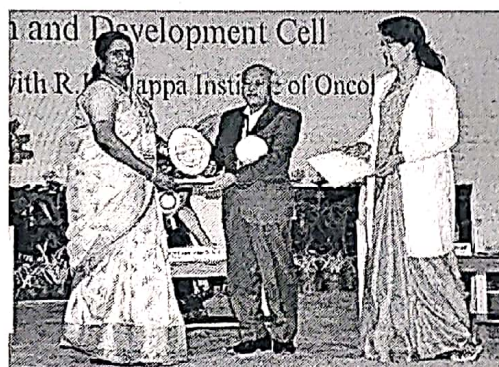
Speaker: Dr. V Vettriselvi, Professor, Dept. of Human Genetics, SRIHER, Chennai.

Topic: Recent advancements in the molecular genetics of diabetes

Chairpersons:

Dr. Venkateswarlu Raavi
Assistant Professor
Dept. of Cell Biology & Molecular Genetics
SDUAHER

Dr. Komal Sanjay jog
Assistant Professor
Dept. of General Medicine
SDUMC



The speaker highlighted the following points:

- The talk highlighted the global burden of diabetes, with a focus on hereditary diabetes, the main types (Type 1 and Type 2), and the genes responsible for Type 2 diabetes.
- The speaker presented and discussed their project findings from a three-generation GWAS analysis, identifying various genes and SNPs associated with diabetes.
- The speaker emphasized that genetic changes can impact future generations.

Event: Inaugural function

Time: 11.15 to 12.00 Noon

The following dignitaries presided over the function:

Chief Guest:

Dr. Sundararaman Swaminathan
Department of Nephrology, Indian Institute of Science, Bangalore

Guests of Honour:

- Sri. G H Nagaraja, Hon'ble Chancellor, SDUAHER
- Sri J Rajendra, Vice President, SDUET
- Sri K G Hanumantha Raju, Secretary, SDUET
- Sri. Rajesh N Jagadale, Trustee, SDUET

Presided by:

- Dr. D V L N Prasad, Chief Administrative Officer, SDUAHER
- Dr. Vengamma B, Hon'ble Vice Chancellor, SDUAHER
- Dr. C Muninarayana, Registrar, SDUAHER
- Dr. Prabhakar K, Principal, SDUMC and Dean, FoM, SDUAHER
- Dr. Aravind Natarajan, Dean, FAH&BS, SDUAHER
- Dr. Krishnappa J, Medical Superintendent, RLJH & RC
- Dr. Vijayalakshmi G, Principal, Sri Devraj Urs College of Nursing
- Dr. Ashok Kumar B S, Principal, R L Jalappa College of Pharmacy
- Dr. Kalyani R, Organising Chairperson, NSC and Director, R & D Cell, SDUAHER
- Dr. Venkateswarlu Raavi, Organizing Secretary, NSC 2025 and Deputy Co-ordinator, R & D



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- The inaugural function started with an Invocation
- This was followed by lamp lighting by dignitaries
- The LED wall with an upgraded digital sound system was inaugurated by Sri. G H Nagaraja, Hon'ble Chancellor of SDUAHER.
- The preamble of the Conference was given by Dr. Prabhakar K, Dean, FoM, SDUAHER
- Dr. D V L N Prasad, Registrar of the Academy welcomed all the dignitaries on the Diaz and also
- Dr. C Muninarayana, Registrar, SDUAHER introduced the chief guest.
- Dr. Dr. Sundararaman Swaminathan, the chief guest addressed the gathering by highlighting the importance of Interdisciplinary research.
- All the dignitaries released the Souvenir of the National Scientific Conclave
- Dr. B Vengamma, Hon'ble Vice Chancellor, SDUAHER addressed the gathering
- Dr. Kalyani R, Director, R & D Cell, SDUAHER gave the vote of thanks

Event: Invited Scientific Talk - 4

Time: 12.00 PM to 1.00 PM

Speaker: Dr. Prasanna Kumar, Diabetologist, Bangalore

Topic: Current holistic approach in the treatment of Diabetes

Chairpersons:

Dr. Sudha Reddy
Professor & Head
Dept. of Pediatrics
SDUAHER

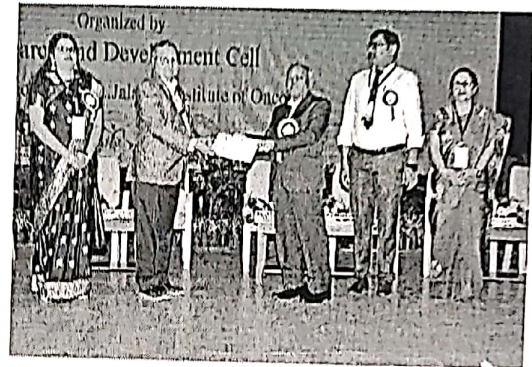
Dr. Krishnappa J
Medical Superintendent
RL Jalappa Hospital and Research Centre

The speaker highlighted the following points:

- Integrative Treatment Model – A blend of allopathy, yoga, Ayurveda, and naturopathy for comprehensive diabetes care.
- Role of Lifestyle Modifications – Importance of diet, exercise, stress management, and sleep hygiene in glycemic control.



- Mind-Body Connection – How yoga, meditation, and pranayama enhance insulin sensitivity and regulate stress-induced blood sugar fluctuations.
- Nutritional Science – The significance of low-glycemic, fiber-rich diets, and the role of herbal remedies in managing blood glucose levels.
- Emerging Research & Clinical Evidence – Scientific validation of holistic therapies and their efficacy in improving diabetes outcomes.
- Patient-Centric Approach – Personalizing treatment based on an individual's genetics, lifestyle, and comorbidities for sustainable health benefits.



Scientific free paper presentations

With 80 selected abstracts for presentation, five parallel sessions were conducted—four for oral presentations and one for poster presentations. The details are as follows:

Hall 1: Oral presentation from PhD Category

Time: 2.00 PM to 5.15 PM

Venue: R L Jalappa Silver Jubilee Auditorium

Judges:

Dr. Suresh T N

Professor

Dept. of Pathology

SDUAHER

Dr. Anjali Suresh

Professor

Dept. of Physiotherapy

SDUAHER

dated 28.4.2020



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Total of 12 presenters presented their original research articles. Each presenter had a time limit of 7 min (for presentation) and 3 min (for discussion).

Hall 2: Oral presentation from faculty category

Time: 2.00 PM to 5.15 PM

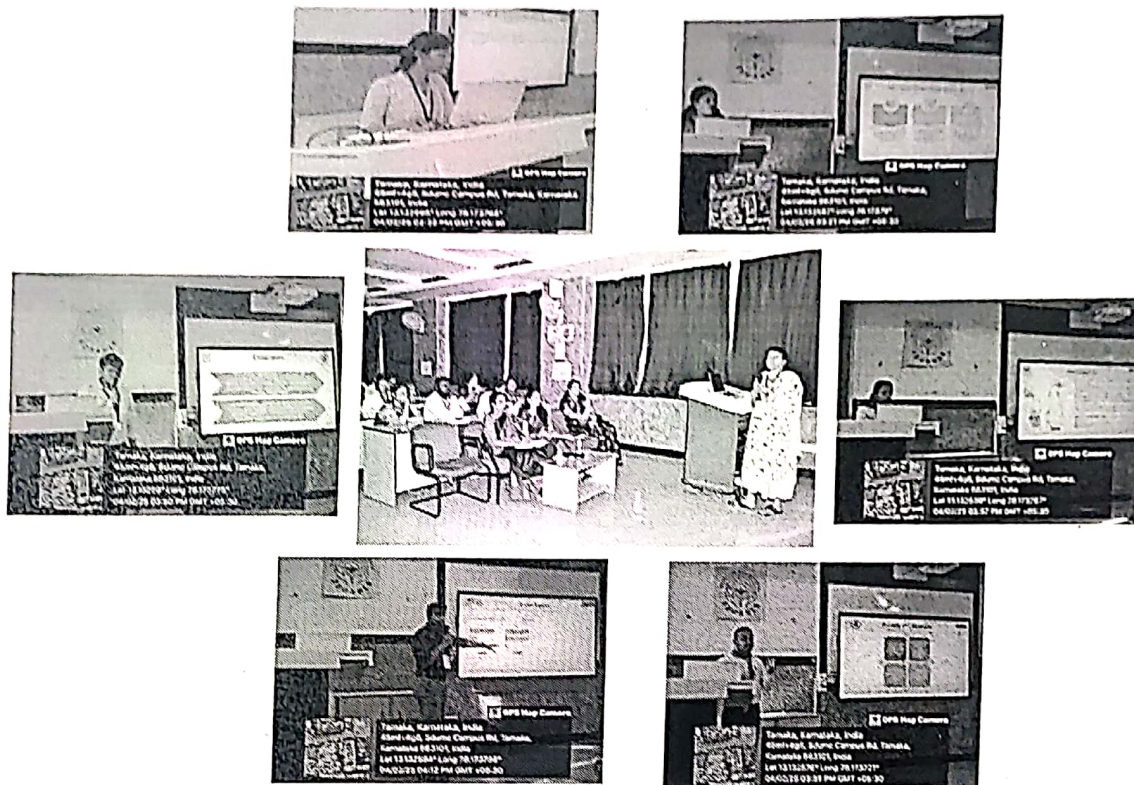
Venue: Dr. B C Roy Lecture Hall, First floor, Library building

Judges:

Dr. Prabhavathi K
Professor & Head
Dept. of Biochemistry
SDUMC, SDUAHER



Dr. Sarulatha H
 Professor
 Dept. of Physiotherapy
 SDUAHER



Total of 14 presenters presented their original research article. Each presenter had a time limit of 7 min (for presentation) and 3 min (for discussion).

Hall 3 & 4: Oral presentation from Post-Graduate Category

Time: 2.00 PM to 4.15 PM

Venue: Skill Lab, 3rd Floor Care Building

Judges:

Dr. Prakash Dave
 Professor, Dept. of Surgery
 SDUAHER

Dr. Ashok Kumar BS
 Principal
 RL Jalappa College of Pharmacy

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Dr. Ashwini Shetty
Professor, Department of Physiology
SDUMC, Kolar

Dr. Parimala S
Associate Professor
Dept of Microbiology
SDUMC, Kolar

Total of 19 presenters presented their original research articles. Each presenter had a time limit of 5 min (for presentation) and 2 min (for discussion).

Event: Poster Presentation for UG, PG, PhD and Faculty

Time: 2.00 PM to 5.15 PM

Venue: 2nd Floor, Central Library, SDUAHER

Judges:

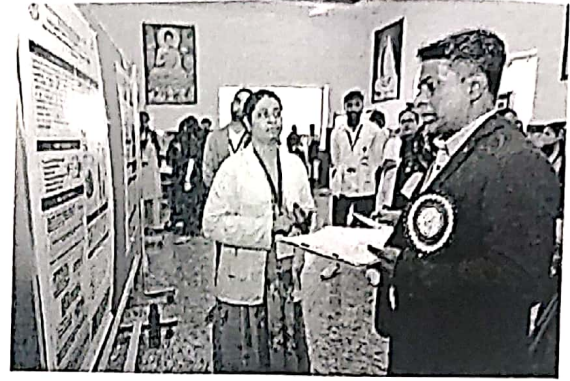
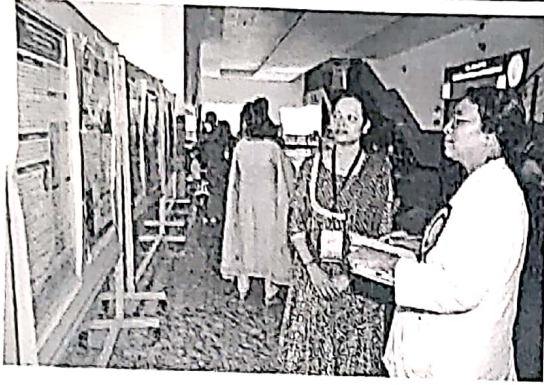
Dr Arvind Natarajan
Dean AHS&BS, SDUAHER

Dr. G. Vijaylakshmi
Principal, Sri Devaraj Urs College of Nursing

Dr. Ruth Sneha
Associate Professor, Dept. of Psychiatry, SDUAHER

Dr. Lavanya Subhashini
Vice Principal, Sri Devaraj Urs College of Nursing





Total of 32 presenters presented their original research article/ case report in Poster format. Each presenter had a time limit of 5 min (for presentation) and 2 min (for Q&A).

Day 2 – 5th February 2025

Theme: Cancer

Event: Invited Scientific talk -1

Time: 9:20AM to 10:30AM

Speaker: Dr. Anita Nath, Scientist F, ICMR – National Centre for Disease Informatics and Research, Bangalore

Topic: Global burden of cancer

Chairpersons:

Dr. Muninarayana. C
Registrar,
Professor, Department of Community Medicine
SDUAHER, Kolar

Dr. S M Azeem Mohiyuddin
Professor & HoD,
Department of Otorhinolaryngology
SDUMC, Kolar

The speaker highlighted some of the following points:

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- Cancer poses a major public health and economic challenge globally, accounting for 16.8% of deaths worldwide and 30.3% of premature non-communicable disease (NCD) deaths in people aged 30–69 years.
- The cancer burden in India differs significantly by gender and region, with lung, mouth, and prostate cancers leading among males, while breast and cervical cancers dominate among females.
- Future projections indicate a sharp rise in cancer cases, with low and medium Human Development Index (HDI) regions, including India, facing the steepest relative increases by 2050.
- Also, the speaker highlighted that rising burden requires targeted cancer control measures, focusing on prevention, early detection, and management.



Event: Invited Scientific talk - 2

Time: 10:30am to 10:55am

Speaker: Dr. Tapas K. Kundu, Professor and Head, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

Topic: Molecular Genetic techniques in the management of cancer

Chairpersons:

Dr. Gopinath K S
Director & Professor
Department of Surgical Oncology
SDUMC, Kolar

Dr. Kalyani R
Professor & Former HOD
Dept. of Pathology, SDUMC, Kolar





The speaker highlighted some of the following points:

- An overview of oral cancer, potential therapeutic approaches, recent advancements, and strategies for targeting the brain.
- The FR-targeting strategy and the development of sigma receptor (SR)-targeting anti-brain tumor agents, CH8 and CH8-CRM.

Event: Invited Scientific talk - 3

Time: 10:55am to 11:30am

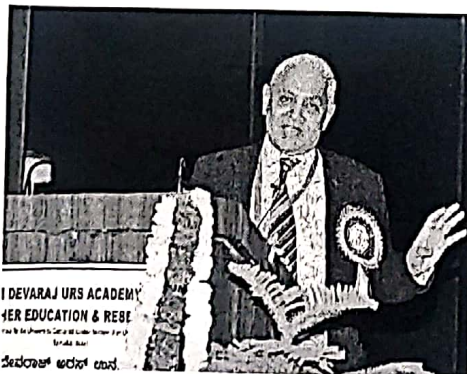
Speaker: Dr. B.A. Krishna, Consultant, Department of Nuclear Medicine & PET Imaging, Lilavathi Hospital and Research Centre, Mumbai

Topic: Advances in imaging technology in cancer diagnosis

Chairpersons:

Dr. Manjunath
Assoc. Professor,
Department of Radiation Oncology,
SDUMC, KOLAR.

Dr. Lokanath
Professor, Surgical Oncology,
SDUMC, Kolar



The speaker highlighted some of the following points:

- Speaker highlighted on Molecular imaging, administration of an imaging agent, components.
- These scanners have high sensitivity and high spatial, contrast, and temporal resolution and the advent of PET scanners (Positron Emission Tomography) has revolutionized the imaging of entire body in a very short time.
- Also, the speaker highlighted new new molecular imaging innovations which have impacted oncological practice immensely. These techniques have given birth to a new approach in cancer treatment namely THERANOSTICS which will play a major role in the next decade as new targets for different types of cancers emerge.
- The practice of oncology will move from non-specific therapies to highly targeted therapies and future is very exciting.

Event: Invited Scientific talk - 4

Time: 11.30am -12.15 am

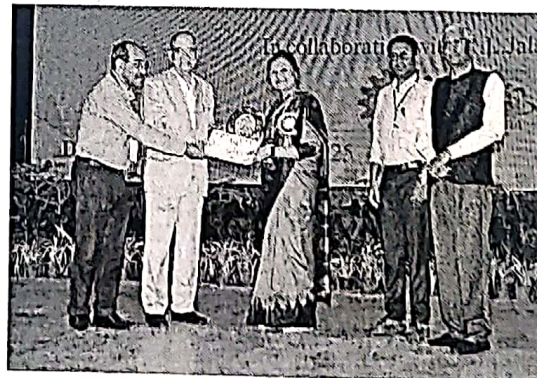
Speaker: Dr Ayesha Ismail, Scientist F & Head Endocrinology, National Institute of Nutrition, Hyderabad

Topic: Role of nutrition in the prevention and management of cancer

Chairpersons:

Dr. Ashwathappa
Professor and HoD,
Department of Surgical Oncology,
SDUMC, Kolar.

Dr Shivakumara CS
Assistant Professor and I/c Head,
Clinical Nutrition and Dietetics,
SDUAHER, Kolar



The speaker highlighted some of the following points:

- The session emphasized the role of diet in cancer prevention and the non-classical functions of Vitamin D.
- Recent studies indicate that Vitamin D modulates molecular pathways in cardiovascular diseases (CVDs) and other chronic conditions.
- Beyond bone health, Vitamin D impacts metabolic and immune pathways.
- Future research should focus on personalized nutrition approaches for cancer prevention.

Event: Invited Scientific talk - 5

Time: 12.15 -1.00 pm

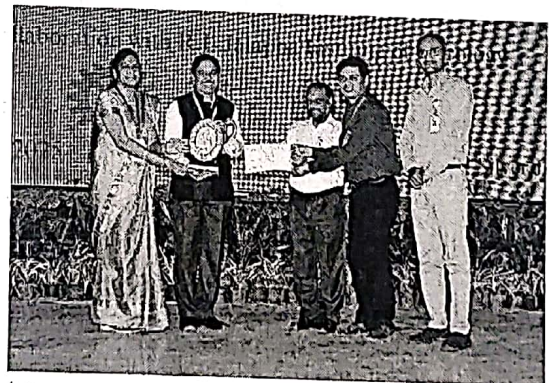
Speaker: Dr. Vadiraja H S, Research Officer & Nodal Officer, Central Research Institute of Yoga & Naturopathy (CRIYN), Mandya

Topic: Yoga and cancer management

Chairpersons:

Dr. Dayananda
Professor and HoD,
Department of Allied Health Sciences,
SDUAHER, Kolar.

Dr Ashwin Bilagi
Assistant Professor and I/c Head,
Integrative Medicine,
SDUAHER, Kolar



The speaker highlighted some of the following points:

- Yoga plays a significant role in pain management and psychological well-being.
- It has proven benefits in managing stress-related immune disorders.
- Integrating yoga with conventional therapies can enhance patient outcomes.
- Further clinical research is needed to establish standardized protocols for yoga-based interventions.

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Event: Invited Scientific talk - 6

Time: 2.00 PM-2.45 PM

Speaker: Dr. Raghavendra R, Lead Consultant, Pain & Palliative Medicine, Aster Hospitals, Bangalore

Topic: Advances in palliative care in cancer management

Chairpersons:

Dr Arun HS
Professor,
Department of Orthopedics,
SDUMC, Kolar.

Dr Vimarshitha P
Associate Professor,
Dept. of Obstetrics and Gynecology,
SDUMC, Kolar



The speaker highlighted some of the following points:

- Chronic pain management requires a multidisciplinary approach, integrating pharmacological and non-pharmacological therapies.
- Early palliative care interventions improve quality of life for terminally ill patients.
- There is a need for greater awareness and accessibility of specialized pain management services.

Event: Valedictory function

Time: 3.00 to 4.30 PM

The Valedictory function was presided over by

1. Prof. Dr. B. Vengamma, Honourable Vice – Chancellor, SDUAHER.
2. Dr. S. Chandrashekar Shetty, Former Advisor, SDUAHER.
3. Dr. Muninarayana C, Registrar, SDUAHER
4. Dr. Prabhakar. K, Dean, Faculty of Medicine, SDUAHER and Principal, SDUMC.
5. Dr. Aravind Natarajan, Dean, Faculty of Allied Health and Basic Sciences, SDUAHER
6. Dr. Asok Kumar B S, Principal, R L Jalappa College of Pharmacy
7. Dr. Kalyani. R, Organizing Chairperson, NSC 2025 and Director, Research and Development Cell, SDUAHER.
8. Dr. S. M. Azeem Mohiyudhin, Organizing Co-Chairperson, NSC 2025, Former Director, Research and Development Cell, SDUAHER.
9. Dr. Venkateswarlu Raavi, Organizing secretary - NSC 2025, Deputy co-ordinator, Research and Development Cell, SDUAHER.



- Dr. Ashwini N S, welcomed the gathering
- Dr. Kalyani R, Director R & D cell presented the conference report
- Dr. S. Chandrashekar Shetty, Former Advisor, SDUAHER, Dr. B Vengamma, Honourable Vice – Chancellor and Dr. Prabhakar K, Principal, SDUMC addressed the gathering
- Prizes were distributed to the winners of the oral and poster presentations. The details are tabulated below:

Poster Presentations

UG category

	Name	Institution	Title
1 st prize	Yadlapalli Sejal Sai Sree	Sri Devaraj Urs Medical College	Varicella Zoster with Bilateral Orbital Cellulitis - A Rare Case Report
2 nd prize	Neeraj C Rajesh	Department Of Speech Pathology and Audiology, SDUAHER	The Diagnostic Odyssey of Auditory Neuropathy Spectrum Disorder: A Case Study
3 rd prize	Dr. Prashanth V	Sri Devaraj Urs Medical College	Unveiling Superior Sagittal Sinus Thrombosis Through Papilledema: A Case Report
Consolation	Keerthana S K	Sir M Visvesvaraya Institute of Technology	Extraction, Purification and Characterization of Polysaccharides from Zephyranthes citrina



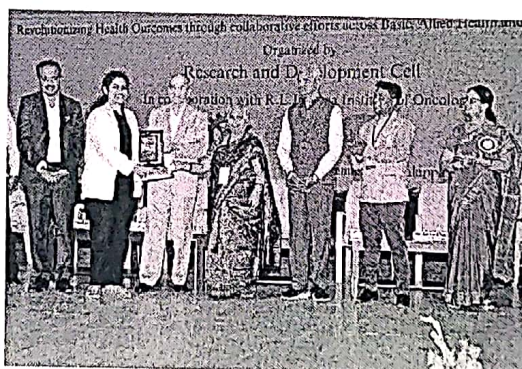
Others (PG, PhD and Faculty)

	Name	Institution	Title
1 st prize	Akshay Kirthan J.P	Dept. Of Biochemistry, JN Medical College, KLE Academy of Higher Education and Research	The Impact of Oral Iron Supplementation on Maternal Iron Indices Among Pregnant Women with Moderate Iron Deficiency Anemia - A Prospective Cohort Study.
2 nd prize	Shivaani Srinivasan	Department Of Developmental Biology and Genetics, IISc- Bengaluru	Unravelling The Link Between Deregulated Metabolism and Cancer Stemness- Towards Understanding the Influence of Diabetes on Breast Cancer Progression
3 rd prize	Dr. Vishaka Shankar	Paediatrics, SDUMC	Congenital Hyperinsulinemic Hypoglycemia
Consolation	Sahana G Iyer	Indian Institute of Science, Bengaluru	Identifying Biomarkers of Diabetes-Associated Breast Cancer Initiation and Progression

Oral Presentations

PG category

	Name	Institution	zTitle
1 st prize	Dr Nakkana Rachana	Sri Devaraj Urs Medical College	Gestational Type 2 Diabetes Mellitus and Its Influence on Retinopathy of Prematurity.
2 nd prize	Dr Srilekha R Mathapati	Sri Devaraj Urs Medical College	Eyeing The Details: Association Between Macular Thickness, Axial Length in Myopic Eyes.
3 rd prize	Lokireddy Venkata Sandeep Reddy	Katurba Medical College, Mangalore, MAHE	Quality Of Life Among Adult Type 2 Diabetics on Insulin in Select Tertiary Care Hospitals
Consolation	Kancharla Varun	General Medicine, K.S.Hegde Medical Academy	Study Of Upper Gi Endoscopy and Helicobacter Pylori Infection Among Type 2 Diabetes Mellitus Patients with Dyspepsia
Consolation	Ms. Reshma B	Sri Devaraj Urs College of Nursing Affiliated With RGUHS	Paramedical Staff Knowledge Regarding Revised Cardiopulmonary Resuscitation Guidelines Working at Rural Tertiary Care Medical Teaching Hospital Kolar, Karnataka.



PhD category

	Name	Institution	Title
1 st prize	Medha Karnik S R	CEMR Laboratory, Department of Biochemistry, JSS Medical College, JSS AHER	Inverse Association of Lactobacillus and Bifidobacterium Species with Inflammatory Microenvironment in Cervical Cancer
2 nd prize	Chaithanya G B	CEMR, Department of Biochemistry, JSS Medical College,	Co-Targeting Key Oncogenic Signalling Cascades Regulating Breast Cancer Development Using Vitamin-D And Anti-Hyperglycemic Agent Phenformin

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3 rd prize	Rimshia Naaz	JSSAHER Department of Biochemistry, JSS Medical College, JSSAHER	Intraperitoneal Administration of Vitamin D Mitigated the Cognitive Impairment Induced Due to Diabetes by Modulating Pi3k/Akt Signaling in C57bl6 Mice.
Consolation	Dr. Geetha S	Physiology, SDUMC	Behavioral Outcomes of Enriched Housing in Mptp-Induced Parkinson's Disease Mouse Model



Faculty category

	Name	Institution	Title
1 st prize	Vidhyashree K	Department of Pathology, St.John's Medical College	Role of Choline Transporter Immunostain in the Diagnosis of Hirschsprung Disease on Formalin Fixed Rectal Mucosal Biopsies
2 nd prize	Dr. V. Priyanka	Biotechnology/ Anna University	Mir-21 Exacerbates Foam Cell Formation and Regulates Early Atherogenesis in Periodontitis-Induced Atherosclerosis.
3 rd prize	Dr. Ram Mohan Ram Kumar	JSS College of Pharmacy JSS Academy of Higher Education & Research	Engineered Small Extracellular Vesicles as A Therapeutic Carrier Targeting Triple-Negative Breast Cancer
Consolation	Nandita Krishnan	Clinical Nutrition/ SRIHER	Microbial Attributes of Resistant Starch-Based Health Mix Developed for Women with Polycystic Ovarian Syndrome





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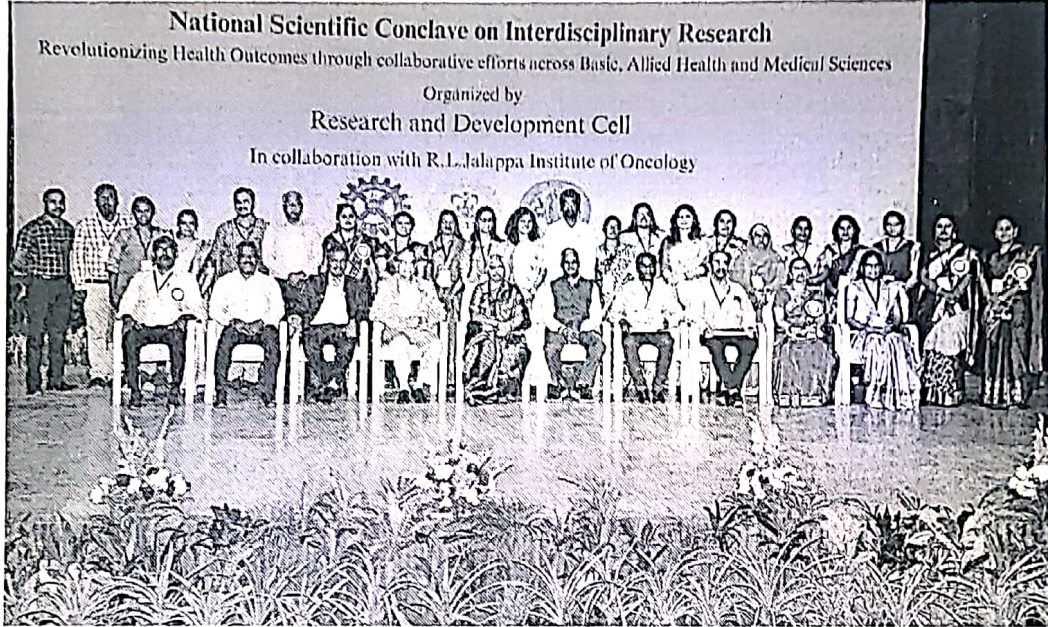
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- The Valedictory function ended with a Vote of thanks by Dr. Venkateswarlu Raavi, Organizing secretary - NSC 2025 and the Deputy co-ordinator, Research and Development Cell, SDUAHER.
- The program ended with the National Anthem



Organizing team

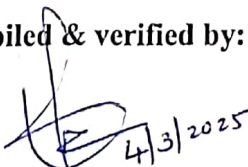
Rapporteurs for Day 1

1. Ms. Indumathi, PhD Scholar, Dept of Cell Biology and Molecular Genetics, SDUAHER
2. Ms. Shriya S, PhD Scholar, Dept of Integrative Medicine, SDUAHER

Rapporteurs for Day 2

1. Ms. Chandini Rao, Lecturer, Dept. of Allied Health Sciences, SDUAHER
2. Dr. Soundariya S, Assistant Professor, Clinical Nutrition and Dietetics

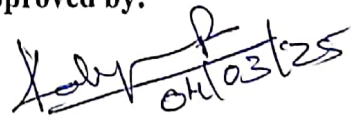
Compiled & verified by:


Ms. H M Apoorva
Scientific Committee
NSC 2025

Reviewed by:


Dr. Venkateswarlu Raavi
Organizing Secretary
NSC 2025

Approved by:


Dr. Kalyani R
Organizing Chairperson
NSC 2025