



FATIMA COLLEGE (Autonomous)

**Affiliated to Madurai Kamaraj University
Re-Accredited with A++ by NAAC(Cycle-IV)
MARYLAND, MADURAI- 625 018.
TAMILNADU, INDIA**

International Conference

on

***PRECISION NUTRITION AND HEALTH:
FORESIGHT FUTURE OF DISEASE
PREDICTION AND PREVENTION***

DECEMBER 20, 2022

Organized by

THE RESEARCH CENTRE OF HOME SCIENCE

and

PG DEPARTMENT OF ZOOLOGY

In collaboration with

NUTRITION SOCIETY OF INDIA, MADURAI CHAPTER

Venue: Jubilee Hall

About the College

Fatima College (Autonomous), Maryland, Madurai is the Post Graduate college for women affiliated to Madurai Kamaraj University. It is a Catholic Minority Institution established and run by St. Joseph's Society of Madurai (of the congregation of the Sisters of St Joseph of Lyon, France) The College was started in 1953. It was upgraded into a Post graduate college in 1964 and Autonomous in 1990. The College now offers 21 under graduate programmes, 14 Post graduate programmes and 2 Professional Programmes, 6 Departments have become Research Centres. It has strength of 4062 students. The comprehensive assessment by NAAC re-accredited the College with A++ Grade in 2021 – 2022.

About the Departments

Department of Home Science was established in the year 1961. In 2008, the nomenclature of B.Sc. Home Science was changed to B.Sc. Home Science with Food Biotechnology. M.Sc. Human Nutrition and Nutraceuticals, a UGC Sponsored innovative programme was started in the year 2004. The Department was upgraded to the Research Centre of Home Science in the year 2017. The mission of the Department is to empower women with life coping skills, enhancing entrepreneurial skills and promoting economic independency. The Department has signed memorandum of understanding with reputed multi-speciality hospitals and food industries both at the Regional and National levels to facilitate Dietetic and Industrial internships. The Department offers consultancy services for Government and Non-Governmental organisations. Thereby the Department creates a conducive environment for research and promoting UGC/State level sponsored Minor & Major research projects.

Department of Zoology was established in the year 1957. The Department offers Under Graduate and Post Graduate courses in Zoology. The vision of the Department is to empower women through biological education. The Department aims to ensure quality education by offering skill-based programs, lab to land programmes, onsite learning, value added skill embedded certificate courses and rendering entrepreneurial training to enhance the employability of students. The Department has infrastructural facilities to promote research and higher studies.

About the Conference

Precision Nutrition and Health seeks to improve the personalized therapeutic treatment of diseases, specific to dietary intake. The conference focuses on developing interventions to prevent or treat chronic diseases based on a person's unique characteristics like DNA, race, gender, health history, life style and dietary habits.

Objectives of the Conference:

- To accelerate medical nutrition research that uncovers the role of human nutrition and medicine in improving health and wellness for individuals and communities.
- To increase access to healthy food and ways that can improve the use of food as medicine.

The theme of the conference paves way to enhance the health and quality of life with individualized diet plans. Instead of applying a one-size-fits-all approach, precision nutrition could help health care providers to customize patient's diets based on their DNA.

Ultimately the success of our conference will lie in supporting the next generation of researchers, medical practitioners, food and nutrition service workers. Field mentoring and education will be among the core values of the Precision Nutrition team.

Future projects in the area of precision medicine and nutrition will be to gather hospital data and then pilot innovative food-based interventions like medically tailored patient or family meals. The diverse data sources will quantify impacts on patient health and costs to the health system.

Precision Nutrition and Health, the need of the hour is founded upon the concept of biological variability between individuals in response to nutrition. With this backdrop, a profound attempt has been made to organise an International Conference titled "**Precision Nutrition and Health: Foresight Future of Disease Prediction and Prevention**".

PROGRAMME SCHEDULE

20.12.2022

Registration : 8.30 am - 9.00am

Inauguration : 9.00am – 9.30pm

Inaugural Address & Release of e-Proceedings

Dr.Sr.G.CelineSahayaMary

Principal,

Fatima College(Autonomous), Madurai.

Thematic Address: 9.30am – 10.30am

Prof.VimalKarani S. RNutr

Professor of Nutrigenetics &

Nutrigenomics,

Deputy Director, Institute for Food,

Nutrition & Health (IFNH),

University of Reading, United Kingdom.

“Precision Nutrition and You: Nutrigenetics and Nutrigenomic Approaches to Disease and Health”

Tea Break: 10.30am - 11.00am

Technical Session I: 11.00am - 11.45 am

Prof.Khaleda Islam

Director,

Institute of Nutrition & Food Science,

University of Dhaka,

Bangladesh.

“Probable: Nutritional Status and Reproductive Health Behaviour of Indigenous Adolescent Girls”

Oral/e-Poster Presentation:

11.45am-1.00pm

LUNCH: 1.00pm - 2.00 pm

Technical Session II: 2.00pm - 2.45 pm

Dr.Anto Cordelia Tanislaus

Antony Dhanapal

Assistant Professor,

Centre for Biomedical &

Nutrition Research,

Department of Chemical Science,

Universiti Tunku Abdul Rahman,

Malaysia.

“Role of Artificial Intelligence in Precision Nutrition Approach”

Tea Break : 3.00pm - 3.15 pm

Valediction : 3.30pm - 4.30 pm

Valedictory Address:

Prof. Dr. V. Kumaravel

Director and Endocrinologist,

Alpha Hospital & Research Centre,

Institute of Diabetes and Endocrinology,

Madurai.

Prize Distribution

Participants

This Conference is open for enthusiastic Student community, Research Scholars, Academicians, Scientists and Industrialists.

Themes for Oral/ e-Poster Presentation

Track -1

- ❖ Public Health Nutrition
- ❖ Nutritional Therapy/Clinical Nutrition
- ❖ Experimental Nutrition
- ❖ Nutrition Education and Communication
- ❖ Functional Foods and Nutraceuticals
- ❖ Traditional/Innovative Food Product Formulation

Track -2

- ❖ Precision Medicine
- ❖ Disease Prediction
- ❖ Prognostic/Biomarker Discovery
- ❖ Pharmacogenomics/Pharmacokinetics
- ❖ Genetic Diseases
- ❖ Therapeutic Value of Medicinal Plants
- ❖ Probiotics
- ❖ Drug Designing and Development

Call for Abstracts

Authors are invited to submit their original research /review articles in the above-mentioned sub-themes. The abstract shall be reviewed by the expert committee and the acceptance will be notified.

Guidelines for Abstract

Abstract must not exceed 250 words.

Font : Times New Roman

Font Size : 12

Line space : 1.5

Keywords must be mentioned. The soft copy of the abstract (Oral/e- Poster) related to Track 1 should be sent

to fcicpn2022@gmail.com and Track 2 should

be sent to fcicph2022@gmail.com

Publications

The full paper will be published in Scopus Index / UGC CARE List Journal*. Details will be intimated later.

*Additional charges applicable.

Guidelines for e-Poster:

- Posters must design in portrait style orientation (including text, data, photos and figures) in PPT within one slide.
- Use page set up and choose slide size “custom (Width 50cm, Height 90cm)”
- Title of the paper, Name, and Affiliation of the first author should be placed on the top of the e-poster.
- Save PPT in to PDF format.

Awards

Best Oral and Poster presentations will be awarded.

Registration Fee

Students	-Rs. 500
Research Scholars	- Rs.750
Academicians/ Industrialists-	Rs.1000
Foreign Delegates	-50USD

Registration Details

Participants are requested to fill the on-line registration form using the following link

<https://forms.gle/X28FTAfwA2Sy7NdK9>

The proof of registration fee paid should be uploaded.

Bank details for NEFT/G-Pay Transaction

Account Number	- 6356330666
Account Name	- The Head Department of Zoology
IFSC code	-IDIB000K150
Branch Address	- KOODAL NAGAR (1284), Madurai.

Important Dates

Submission of Abstract	21.11.2022
Notification of Acceptance	25.11.2022
Submission of Full Paper	05.12.2022
Last date for Registration	10.12.2022

Contact Details:

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Mrs. J. Josephine Jesintha	: 99947 82780
Dr.J. Asnet Mary	: 99438 10081
Dr. S. Barathy	: 94864 86739

Organizing Committee

Patrons

Dr.Sr.M.Francisca Flora

Secretary,
Fatima College(Autonomous), Madurai.

Dr.Sr.G.CelineSahaya Mary

Principal,
Fatima College (Autonomous), Madurai.

Convenors

Dr.Vasantha Esther Rani

Associate Professor & Head,
The Research Centre of Home Science,
Convenor of NSI,
Madurai Chapter.

Dr. A. Tamil Selvi

Assistant Professor & Head,
PG Department of Zoology.

Organizing Secretaries

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Mrs. J. Josephine Jesintha

Assistant Professors,
The Research Centre of Home Science,
Fatima College(Autonomous), Madurai.

Dr.J. Asnet Mary

Dr. S. Barathy

Assistant Professors,
PG Department of Zoology,
Fatima College(Autonomous), Madurai.

Organizing Committee

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