

PG Department of Botany
St. Joseph's College (Autonomous)
Irinjalakuda

College with Potential for Excellence (CPE)
NAAC Accredited with 'A' Grade



Celebrating
Ruby 40th Jubilee

National Seminar
on
Phytochemicals in
Cancer Therapeutics
July 19, 2019

at Golden Jubilee Research Block
St. Joseph's College (Autonomous)
Irinjalakuda



Seminar on PHYTOCHEMICALS IN CANCER THERAPEUTICS

Cancer can be defined as uncontrolled proliferation of a normal cell. It is a metabolic syndrome produced by genetic instabilities and alterations which accumulates within cells and tissues transforming normal cell into malignant cell. Developments in the field of disease diagnosis, treatment and preventive measures are not sufficient enough to control this disease which is one of the leading causes of death in the world. Both external factors (radiations, smoking, tobacco, pollutants in drinking water, food, air, chemicals, certain metals and infectious agents) and internal factors (genetic mutations, body immune system and hormonal disorders) are found to be responsible for this dreadful disease. Natural phytochemicals are considered as one of the solutions in treating cancer. Several medicinal plant species and their phytochemicals inhibit the progression and development of cancer. Plant products such as alkaloids, flavonoids, lignans, saponins, terpenes, taxanes, vitamins, minerals, glycosides, gums, oils, biomolecules and other primary and secondary metabolites play significant roles in either inhibiting cancer cell activating proteins, enzymes and signaling pathways or by activating DNA repair mechanism or inducing antioxidant action. Thus, phytochemicals and their derived analogues can be considered as the most promising option for a better and less toxic cancer treatment. This seminar envisages to throw light on such areas so that more research can be promoted in a fruitful manner to conquer this disease.

Sir/Madam,

Greetings from St. Joseph's College (Autonomous).....

We are pleased to invite the distinguished faculty and students of your esteemed institution for a one day National Seminar on 'Phytochemicals in Cancer Therapeutics' organized by PG Department of Botany, St. Joseph's College (Autonomous), Irinjalakuda on 19th July 2019. The Department also celebrate its 40th year of excellence. On this occasion we warmly invite you to take part in this venture.

Thanking You,

Sincerely,

Dr. Meena Thomas Irimpan
HOD, PG Department of Botany

Dr. Sr. Isabel
Principal

PROGRAMME

Registration : 09.00 am

Inauguration : 10.00 am

Tea Break : 10.30 am

FIRST SESSION : 10.30 am - 12.00 pm

Role of TIPE family of proteins in Oral Cancer

Dr. Ajaikumar B. Kunnumakkara

Associate Professor, Department of Biosciences and Bioengineering
Indian Institute of Technology Guwahati
Guwahati, Assam

SECOND SESSION : 12.45 pm - 02.00 pm

Phytomolecules targeting cell signaling: Implications in cancer therapy

Dr. Babu T. D.

Associate Professor, Department of Biochemistry
Amala Cancer Research Centre

THIRD SESSION : 02.00 pm - 03.30 pm

Paper Presentations

Valedictory function : 03.30 pm - 04.00 pm

Convenor

Prof. K.M. James

Organizing Secretary

Dr. Alfred Joe

Executive Members

Dr Roselin Alex

Dr. Binu T.V.

Ms. Sneha Shajan

Ms. Shimi K.S.

Ms. Reshma K.

Ms. Aswathy P. M.

NATIONAL SEMINAR ON “PHYTOCHEMICALS IN CANCER THERAPEUTICS”

The Department of Botany, St. Joseph’s College (Autonomous) Irinjalakuda, organized a National Seminar entitled “*Phytochemicals in Cancer Therapeutics*” on July 19, 2019. The meeting started with a welcome note by the Programme convenor Prof. K.M. James followed by the presidential address of Dr. Sr. Isabel, Principal, St. Joseph’s College, Irinjalakuda. The formal inauguration of National Seminar was done by the guest of honour Dr. Ajaikumar B. Kunnumakkara (Associate Professor, Department of Biosciences and Bioengineering Indian Institute of Technology Guwahati, Assam) by lighting the traditional lamp. In the brief inaugural address of Dr. Ajaikumar, he stressed the need and relevance of Phytochemicals in Cancer Therapeutics. The self – financing coordinator Dr. Sr. Rose Bastin gave felicitation and the meeting concluded with the vote of thanks by Dr. Roselin Alex (Associate Professor, Department of Botany, St. Joseph’s College, Irinjalakuda).





The technical sessions started with the keynote address by Dr. Ajaikumar on the topic “Role of TIPE family of Proteins in Oral Cancer”. Dr. Ajaikumar in his exemplary and vibrant way of presentation gave a detailed account on TIPE (Tumour necrosis factor- α -induced protein 8 like - TNFAIP8) family, which is a recently identified family of proteins that is strongly associated with the regulation of immunity and tumorigenesis. The lecture was followed by an interactive session where the participants too actively contributed.





Afternoon session was started with the invited talk by Dr. Babu T.D. (Associate Professor, Department of Biochemistry, Amala Cancer Research Centre) titled “Phytomolecules targeting cell signaling: Implications in cancer therapy”. In his well- crafted lecture, he categorically explained Phytochemicals and their derived analogues, which can be considered as the most promising option for a better and less toxic cancer treatment. The day was concluded with the contributory paper presentations by the young researchers. This was followed by Valedictory function.



