

**National Conference
On
*RECENT TRENDS IN
BIOLOGICAL SCIENCES*
24th and 25th January, 2023
ABSTRACTS**



Organized by
DEPARTMENT OF BOTANY,
G.Venkataswamy Naidu College,
(Autonomous),
(Re-Accredited with 'A' Grade by NAAC | DBT Star College Scheme)
Kovilpatti – 628 502.
Tamil Nadu.

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PROGRAMME

Day : I

24th January, 2023 (Tuesday)

9:00am – 10:00am : Registration

10:00 am – 11:15 am : **Inaugural**

Prayer : *Tamil Thai Vazhthu*

Welcome Address : Dr. B. Makesh Kumar, Ph.D.
Assistant Professor & Head,
Department of Botany.

Lighting of *Kuthuvilakku* and Release of Abstract Book

Presidential Address : Dr. P. Mahendran, Ph.D.
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Felicitation Address : Dr. N.R. Santhi Maheswari, Ph.D.
Principal.

: Dr. G. Venkatasalapathi, Ph.D.
Director (SFC)

Vote of Thanks : Dr. K. Selvaraj, Ph.D.
Assistant Professor of Botany.

11:15am – 11:30am : Refreshment

11:30am – 1:00pm : **Invited Lecture : I**

“Bioprospection of Anticancer Phytochemicals from
higher plant sources.”

Dr. S. Karuppusamy, Ph.D.
Assistant Professor of Botany,
The Madura College (Autonomous), Madurai.

1:00pm – 2:00pm : Lunch

2:00pm – 3:15pm : **Technical Session – I**
(Oral Presentation)
Chairman : Dr. S. Jeeva, Ph.D.
Assistant Professor of Botany
Scott Christian College, Nagarcovil

3:15pm – 3:30pm : Refreshment

3:30pm – 4:30pm : **Invited Lecture : II**

“Importance of Plant Science and its Scope.”

Dr. C. Ravinder Singh, Ph.D.
Chief Scientist,
Research & Innovation,
Aakash Plantations L.L.C.
Silicon Oasis, Business Bay,
Dubai, U.A.E

Day : II **25th January, 2023 (Wednesday)**

9:45am – 11:00am : **Invited Lecture : III**

“The Role of Plant Reproductive Biology in
Biodiversity Conservation”

Dr. R. Ramasubbu, Ph.D.
Assistant Professor of Biology
The Gandhigram Rural Institute
(Deemed to be University),
Dindigul.

11:00am – 11:15am : Refreshment

11:15am to 1:00pm : **Technical Session –II & III**
(Oral Presentation –Parallel Sessions)

Session II Chairman

Dr. V. Ramasubramanian, Ph.D.
Associate Professor and Head (Retd.)
Department of Botany,
ANJA College, Sivakasi

Session – III Chairperson

Dr. R. Mary Sujin, Ph.D.
Assistant Professor
Research Department of Botany,
PTMTM College, Kamuthi

1:00pm – 2:00pm : Lunch

2:00pm – 3:00pm : **Invited Lecture : IV**

“Plant in vitro culture techniques: A promising alternative tool for the production of bioactive metabolites.”

Dr. P. Gurusaravanan, Ph.D.
Assistant Professor,
Department of Botany,
Bharathiar University,
Coimbatore.

3:00pm – 3:15 : Refreshment

3:15pm – 4:00pm : **Valedictory**

Prayer : *Tamil Thai Vazhthu*

Welcome Address : Dr. V.Uma, Ph.D.
Assistant Professor of Botany

Presenting the Report
of the Conference : Dr. K. Marisamy, Ph.D.
Assistant Professor of Botany

Participants' Feedback :

Certificate Distribution :

Vote of Thanks : Dr. K. Selvaraj, Ph.D.
Organizing Secretary,
Assistant Professor of Botany.

National Anthem : By All

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Phytochemical Composition and Biological Characterization of *Ficus caria* Leaves

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District, Tamilnadu.

Abstract

Hemostasis is the coagulation process in the walls of damaged blood vessels. To keep the intravascular blood and prevent abnormal bleeding in a liquid state, we wanted to evaluate the possible anticoagulant effects of the extracts of leaves and fruits of *Ficus carica* in this study. Extracts of ethanol from *F. carica* for various varieties were analyzed to determine rapid invitro time (QT). For in vitro coagulation tests, the coagulation times obtained in the presence of polyphenols in different extracts of *F. carica* samples show that they exert a high anticoagulant activity on the exogenous coagulation pathway. In vitro, the results of the study of anticoagulant activity have shown that the extracts of fig polyphenols (FPE) of these varieties contain pharmacologically active anticoagulant components that can help prevent bleeding disorders.

Keywords: anticoagulant activity, polyphenols, Quick time, *Ficus carica L.*