

# **SEMINAR REPORT**

***Multidisciplinary Annual Seminar Series***

***'AGORA -2020'***



**Seminar on  
“Drug discovery from natural sources:  
Recent trends and advances”**

**Venue: Economics Seminar Hall**

**Date: 24/02/2020**

**Time: 9.30AM- 3.30 PM**

**ORGANIZED BY  
DEPARTMENT OF BIOCHEMISTRY  
Sree Narayana College, Kollam, Kerala  
(Affiliated to University of Kerala & Re-Accredited by NAAC with ‘A’ Grade)**

### **Programme schedule**

**Venue: Economics Seminar Hall**

**Time: 9.30 AM**

- Prayer** : **Ms.Aiswarya, II B.Sc.Biotechnology**
- Welcome** : **Dr. Vinod B.S**  
**(Asst.Prof. Biochemistry & Co-ordinator)**
- Presidential address  
& Inauguration** : **Sri. R.Premkumar**  
**(Principal-in Charge)**
- Felicitations** : **Dr. P.M.Joshy**  
**(General Convenor, AGORA-2020)**
- Vote of Thanks** : **Dr. Ambili.S**  
**(HOD. Biochemistry)**

**10.00 AM**

**Invited talk**

**“Disease management by probiotics”**

**By**

**Dr. S.K.Subhash**

**Assistant Professor of Microbiology**

**Sree Narayana College for Women, Kollam**

**Faculty presentations**

**11.00 AM – 12.00 PM**

**Dr. Vinod B.S: Phytochemicals as chemosensitizers: In vitro and In vivo  
Evidences**

**12.00 PM - 01.00 PM**

**Dr. Ambili S: Interdisciplinary approaches in drug discovery**

**1.30 PM – 3.30 PM: Presentation by students**

Following the grand success of AGORA seminar series on 2019, all teaching Departments of Sree Narayana College, Kollam jointly organized the Multidisciplinary Annual Seminar Series 'AGORA -2020'. At this juncture Department of Biochemistry organized a seminar on the topic "Drug discovery from natural sources: Recent trends and advances". The objective of the seminar was to provide platform for discussing the recent trends and advances in the field of drug discovery from various natural sources like terrestrial plants, terrestrial and marine microorganisms, marine organisms, terrestrial vertebrates and invertebrates. The participants were encouraged to discuss debate and deliberate about the advancement in isolation of bioactive compounds derived from natural resources, its phytochemical analysis, characterization and pharmacological investigation. Students were encouraged to share discuss and disseminate information about the current research trends and the practical challenges encountered and the innovative solutions adopted in frontier areas of drug discovery.

The programme started at 9.30 AM with the prayer song by Ms.Aiswarya S, II B.Sc.Biotechnology Student. During the inaugural session, Dr.Vinod B.S, Assistant Professor of Biochemistry and Co-ordinator of the seminar welcomed the gathering. Dr.R.Premkumar, Principal-in charge, SN College, Kollam presided over the function. Felicitation was offered by Dr. P.M.Joshy (General Convenor, AGORA-2020). The inaugural session came to an end with the vote of thanks by Dr.Ambili.S, Head of the Department of Biochemistry.

The inaugural session was followed by invited talk by Dr. S.K.Subhash, Assistant Professor of Microbiology, Sree Narayana College for Women, Kollam. The title of his talk was "Disease management by probiotics". In his talk he pointed out that few treatments for human diseases have received as much investigation in the past 20 years as probiotics. He discussed about the various strains of microorganisms currently under investigation for their potential as therapeutic agents and disease prevention agents. Furthermore, he shared the studies on the use of probiotic bacteria as a potential preventative measure to limit the impact of bacterial diseases in pearl oyster hatchery. It was a very fruitful session for the

students and the faculties of the college, which was followed by a highly enthusiastic discussion session on this topic. All students and faculties actively participated in the discussion session.

After a break two faculties from the department of Biochemistry presented papers on their research area.

Dr.Vinod B.S presented a paper on the topic: “Phytochemicals as chemosensitizers: In vitro and In vivo Evidences”

Dr.Ambili S presented a paper on the topic: “Interdisciplinary approaches in drug discovery”

12 students presented papers on various topics related human health and diseases: List of students who presented their work and topics are as follows:

Sl. No	Name	Class	Title of paper
1	Aiswarya S	I DC Biotechnology	Transgenic animals and its medical applications
2	Amritha Nair	I DC Biotechnology	Vincristine: A Vinca Alkaloid
3	Anuja S	I DC Biotechnology	Plant as a source of drugs
4	Anukrishna K.R	I DC Biotechnology	Vinca alkaloids: Mitigative agent for the spread of cancer
5	Athulya T	I DC Biotechnology	Minerals as a source of drugs
6	Bismi Basheer	I DC Biotechnology	Herbal cosmetics; a safer approach for better health
7	Lekshmi Pramod	I DC Zoology	Microbial natural products: A promising source of Drug discovery
8	Parvathy R	I DC Biotechnology	The medicinal uses of Opium
9	Saju B	I DC Botany	Traditional and modern drugs from plants
10	Preethika J.B	I DC Zoology	Neem as a source of natural medicine.

11	Lekshmi Pradeep	I DC Botany	Drugs from plants
12	Archana R Suresh	I DC Zoology	New perspectives on how to discover drugs from herbal medicine

All students actively participated in the seminar and discussed about the various papers presented. The seminar ended at 4.30 pm with National Anthem

### Photos





**Organizing committee:**

**Sri Vellapally Natesan (Patron)**

**Dr. R.Sunilkumar (Principal)**

**Dr.P.M.Joshy (General Convenor AGORA 2020)**

**Dr.Ambili S (HOD, Biochemistry)**

**Dr. Vinod B.S (Seminar Co-ordinator)**

