



Children's Education Society (Regd.)

# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

Date: 21/9/2018

## CIRCULAR

This is to inform all the students and teaching staff of The Oxford College of Pharmacy that a seminar titled "Emerging Trends in Pharmaceutical Research" for the academic year 2018-19 will be conducted on 26/9/2018. We request active participation.

P. Padma  
PRINCIPAL

PRINCIPAL

The Oxford College of Pharmacy  
No.6/9, 1st Cross, Begur Road, Hongasandra  
Bangalore - 560 068

Chief Patron

SRI. S.N.V.L Narasimha Raju  
Chairman,

The Oxford Group of  
Institutions, Bangalore.

Convener

Dr. Padmaa M Paarakh  
Principal & Professor, TOCP

Co-ordinator

Mrs. Chanda Ranjan

Department of  
Pharmaceutical Chemistry

Resource Person

**Dr.G. Nagalakshmi**

Assistant Professor

Department of  
Pharmaceutical Chemistry

The Oxford College of  
Pharmacy

## ABOUT US

The Oxford College of  
Pharmacy (TOCP) was  
established in 1992. TOCP  
under the aegis of Children's  
Education Society (R) offers  
D Pharm, B Pharm, M Pharm,  
Pharm D, Pharm D Post  
Baccalaureate and PhD  
Programs.

TOCP is recognized by the  
Government of Karnataka,  
affiliated to Rajiv Gandhi  
University of Health Sciences,  
Karnataka, and Drug control  
Board, Karnataka  
respectively, approved by  
Pharmacy Council of India,  
New Delhi.

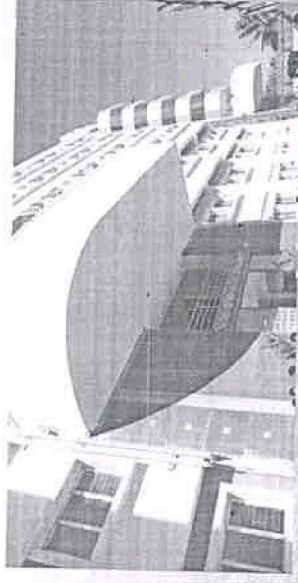
Seminar on

*“Emerging Trends in  
Pharmaceutical Research”*

On

**26th September 2018**

**Time: 11 AM-12 PM**



Organized by

Department of Pharmaceutical  
Chemistry

THE OXFORD COLLEGE OF  
PHARMACY

No 6/9, 1st Cross, Bangalore Road,  
Hongasandra, Bangalore

PIN 560 068

Karnataka, India.



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## DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

### ORGANISED SEMINAR

ON

### “EMERGING TRENDS IN PHARMACEUTICAL RESEARCH”

#### CHIEF PATRON

SHRI S. N. V. L NARASIMHA RAJU

CHAIRMAN

THE OXFORD EDUCATIONAL INSTITUTIONS

#### CONVENER

Dr. PADMAA M PAARAKH

PRINCIPAL

THE OXFORD COLLEGE OF PHARMACY

#### SEMINAR CO-ORDINATOR

MRS. CHANDA RANJAN

ASSISTANT PROFESSOR

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

THE OXFORD COLLEGE OF PHARMACY

#### RESOURCE PERSON

Dr. G. NAGALAKSHMI

ASSISTANT PROFESSOR

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

THE OXFORD COLLEGE OF PHARMACY

**DATE:** 26<sup>th</sup> SEPTEMBER 2018

**TIME:** 11 AM to 12 PM



No.6/9, 1<sup>st</sup> Cross, Begur Road, Hongasandra, Bengaluru -560 068

☎: +91- 80 - 61754694; Fax: +91- 80 -61754699; [www.theoxford.edu](http://www.theoxford.edu)

e-mail: [pharmacyprincipal@theoxford.edu](mailto:pharmacyprincipal@theoxford.edu); [info@theoxford.edu](mailto:info@theoxford.edu);



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## PREAMBLE

The Department of Pharmaceutical Chemistry hosted a seminar on "Emerging Trends in Pharmaceutical Research." The event was aimed at educate students, scholars, and teaching faculty and was attended by an impressive gathering of approximately 15 individuals. Dr G. Nagalakshmi, Assistant Professor at The Oxford College of Pharmacy, Bangalore, delivered the lecture. Her erudite and insightful presentation on the subject captivated the audience.

Emerging trends in pharma research covers drug development, digitalization, usage of Artificial Intelligence (AI) in drug discovery and development process. Their focus is towards patients and sustainable practices with aim of significant health outcomes and reduced environmental effects.

### **The content delivered in the seminar is as follows:**

The speaker began the session by discussing the most recent trends in pharmaceutical sciences in particular about chemical sciences. Since these are constantly evolving, they could significantly impact the future of chemical sciences. In context to this, The International Union of Pure and Applied Chemistry (IUPAC) has stresses to identify technologies that benefit society and promote sustainability. This covers green chemistry, sustainability, innovation, and societal advantages. The recent trends covers integration of interdisciplinary approaches where researchers from different fields come together in a collaborative manner to solve complex chemical research issues and development of both materials and processes that are sustainable and eco-friendly.

The prime focus in chemical research is to develop environmentally sustainable and eco-friendly materials and processes. In context to this, Research Scientists should prefer usage of safe reagents and solvents, thereby which waste and hazardous substances generation can be reduced. Further, research scientists are shifting their interest towards non-traditional extraction methods. Such methods includes using biobased and neoteric solvents and ultrasonic, microwave, supercritical fluid, and enzymatic extractions. Among the aforementioned methods, one can obtain safe, high-quality extracts and products with potential applications in various fields, including pharmaceuticals and cosmetics.



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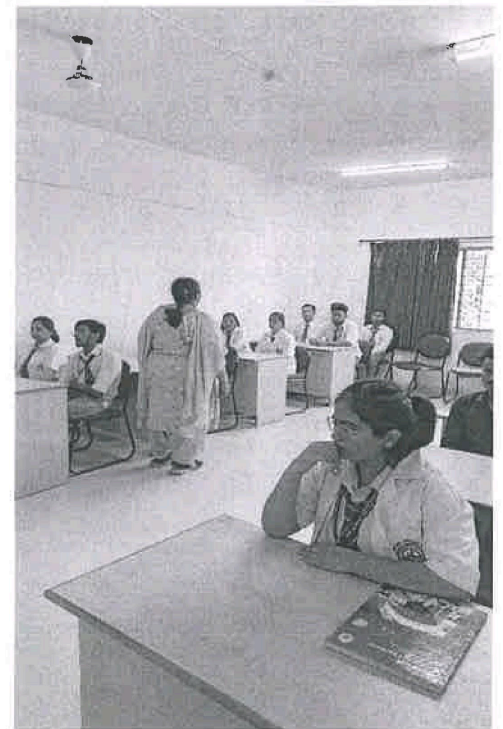
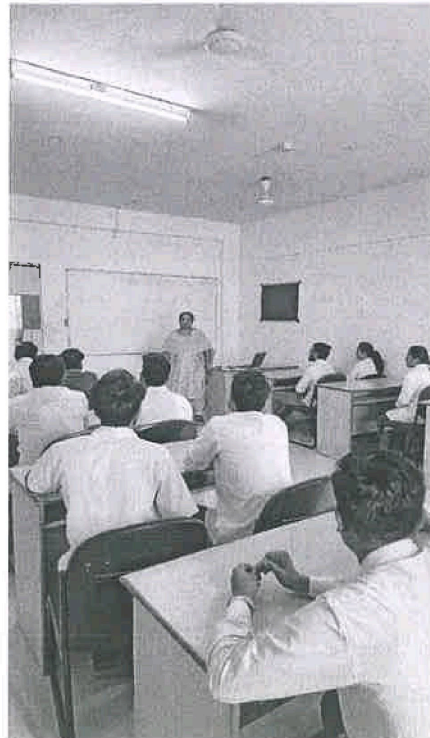
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Additionally, the speaker suggested few software's which can be utilised for pharmaceutical sciences research:

- Aspen HYSYS
- CHEMCAD
- MATLAB
- Avogadro
- ChemDraw
- Promax
- ProSim
- Design of Expert



Dr. Nagalakshmi interacting with participants



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## OUTCOME

There were 15 participants. The outcome of this seminar was that students can apply their knowledge of these emerging trends to their research work. The new ideas and approaches addressed in the seminar would aid to solve world's most pressing challenges and significantly leave a positive impact in chemical research. Further, interdisciplinary approach with other specializations, will pave the way for new opportunities and future research collaborations. Additionally, with the usage of digital technologies, the students will be updated with recent technological advancements and stay up-to-date thereby which they will be acquiring the required knowledge and skills to contribute to a sustainable future.

## LIST OF PARTICIPANTS

SL.NO	NAME OF THE STUDENT	SIGNATURE
1	ANUPAMA V P	Anupama ..
2	ARCHANA B A	Archana
3	ARLAGADDA NIKHILA	Arlagadda..
4	ASWATHI V	Aswathi
5	CARINA TONY	Carina
6	CHAITHANYA A K	Chaithanya
7	KANCHAN B JANGID	Kanchan
8	MERLIN MATHEW	M.
9	MOGAL ANEESA SULTHANA	Mogal ..
10	MOHAMMED SALEH BAAQRI	Mohammed
11	MOUNIKA T	Mounika ..
12	NICHITHA YADAV P N	Nichitha..
13	NIDHI JAYAPRASAD	Nidhi
14	RESHMA VARUGHESE	Reshma
15	SHWETHA K O	Shwetha...



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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. Anupama V.P has attended a Seminar on *Emerging Trends in Pharmaceutical Research* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2018-19.

Co-ordinator

Mrs. Chanda Ranjan  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

HOD

Dr. Jyoti Srivastava  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

Principal

Dr. Padma M Paarakh  
The Oxford College of Pharmacy



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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. Archana B.A has attended a Seminar on *Emerging Trends in Pharmaceutical Research* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2018-19.

Co-ordinator

Mrs. Chanda Ranjan  
Dept of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

HOD

Dr. Jyoti Srivastava  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

Principal

Dr. Padmaa M Paarakh  
The Oxford College of Pharmacy





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## PARTICIPATION CERTIFICATE

This is to certify that Mr/Ms/Dr/Mrs. Aswathi. V has attended a Seminar on *Emerging Trends in Pharmaceutical Research* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2018-19.

Co-ordinator

Mrs. Chanda Ranjan  
Dept of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

HOD

Dr. Jyoti Srivastava  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

Principal

Dr. Padmaa M Paarakh  
The Oxford College of Pharmacy



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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. Carina Tony has attended a Seminar on *Emerging Trends in Pharmaceutical Research* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2018-19.

Co-ordinator

Mrs. Chanda Ranjan  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

HOD

Dr. Jyoti Srivastava  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

Principal

Dr. Padmaa M Paarakh  
The Oxford College of Pharmacy



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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. Merlin Mathew has attended a Seminar on *Emerging Trends in Pharmaceutical Research* held at the Department of Pharmaceutical Chemistry, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2018-19.

Co-ordinator

Mrs. Chanda Ranjan  
Dept of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

HOD

Dr. Jyoti Srivastava  
Dept. of Pharmaceutical Chemistry  
The Oxford College of Pharmacy

Principal

Dr. Padmaa M Paarakh  
The Oxford College of Pharmacy