



Children's Education Society (Regd.)  
**The Oxford College of Pharmacy**

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;  
Approved by Pharmacy Council of India, New Delhi)  
Accredited by NAAC and International Accreditation Organization (IAO)

Date: 06/09/22

CIRCULAR

This is to inform all the students and teaching staff of The Oxford College of Pharmacy that a seminar titled "**Frontiers in Biostatistics: Advancements in Methodology and Applications**" for the academic year 2022-23 will be conducted on 10/09/22. We request for the active participation for the same.

*P. Padma*

PRINCIPAL

PRINCIPAL

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



No.6/9, 1<sup>st</sup> Cross, Begur Road, Hongasandra, Bengaluru -560 068  
☎: +91- 80 - 61754694; Fax: +91- 80 -61754699; www.theoxford.edu  
e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

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

The Oxford Group of  
Institutions, Bangalore.

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Dr. Padmaa M Paarakh

Principal & Professor, TOCP

Co-ordinator

Mrs. Umabhabha

Department of  
Pharmaceutics

Resource Person

Dr. Padmaa M Paarakh

Principal

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,  
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University of Health Sciences,  
Karnataka, and Drug control  
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Pharmacy Council of India,  
New Delhi.

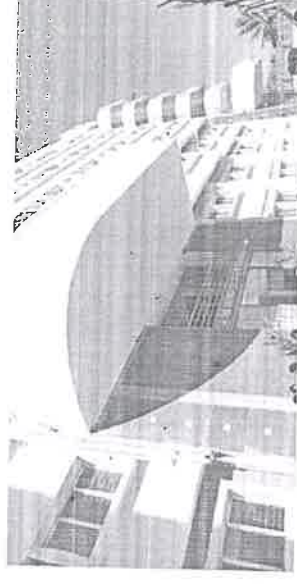
Seminar on

**“Frontiers in Biostatistics:  
Advancements in  
Methodology and  
Applications”**

On

10th September 2022

TIME: 10.30 AM



Organized by

Department of Pharmaceutics  
**THE OXFORD COLLEGE OF  
PHARMACY**

No 6/9, 1st Cross, Begur Road,  
Hongasandra, Bangalore  
PIN 560 068  
Karnataka, India.



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## DEPARTMENT OF PHARMACEUTICS

### ORGANISED SEMINAR

ON

## "FRONTIERS IN BIostatISTICS: ADVANCEMENTS IN METHODOLOGY AND APPLICATIONS"

### CHIEF PATRON

DR. S. N. V. L. NARASIMHA RAJU

CHAIRMAN

THE OXFORD EDUCATIONAL INSTITUTIONS

### CONVENER

DR. PADMAA M PAARAKH

PRINCIPAL

THE OXFORD COLLEGE OF PHARMACY

### ORGANIZING SECRETARY

MRS. UMAPRABHA

ASSISTANT PROFESSOR

DEPARTMENT OF PHARMACEUTICS

### RESOURCE PERSON

DR. PADMAA .M. PAARAKH

PRINCIPAL

THE OXFORD COLLEGE OF PHARMACY

DATE: 10<sup>TH</sup> SEPTEMBER 2022

TIME: 10.30 AM



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## PREAMBLE

The Department of Pharmaceutics hosted a seminar on "Frontiers in Biostatistics: Advancements in methodology and applications" on 10th September 2022. The event was aimed at educate students, scholars, and teaching faculty and was attended by an impressive gathering of 20 individuals.

Dr Padmaa M Paarakh, Principal at The Oxford College of Pharmacy, Bangalore, delivered the lecture. Her erudite and insightful presentation on the subject captivated the audience. She discussed about Importance of sample size, application of sample size, Factors influencing sample size, Dropouts, Statistical tests of significance, Type of significance tests, Parametric tests, Non-parametric tests, Null hypothesis, p-values, Degree of freedom, Interpretation of p-values.

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

The resource person discussed in depth about Biostatistics is the application of statistical methods to medical, biological and public health related problems. Discussed regarding dependent variable, independent variable, application of sample size, types of significance tests, parametric and non parametric tests as well as special diagrams for clinical research.

In depth they discussed regarding sampling techniques, testing of hypothesis p- value, standard error and degrees of freedom, importance of statistical terms. Biostatistics simplifies mass of data, it facilitates for comparison, it measures the trend behaviour, it tests the hypothesis.

The major goal of the webinar is to know the Role of biostatistics in clinical medicine, It plays major role in the documentation of the medical history of diseases, their course of progression, variability between patients, their association with specific characteristics such as age and sex. In evaluating the merits of different kinds of procedures in surgery, radiation, physiotherapy etc, upon patients by following them up over a period of time.





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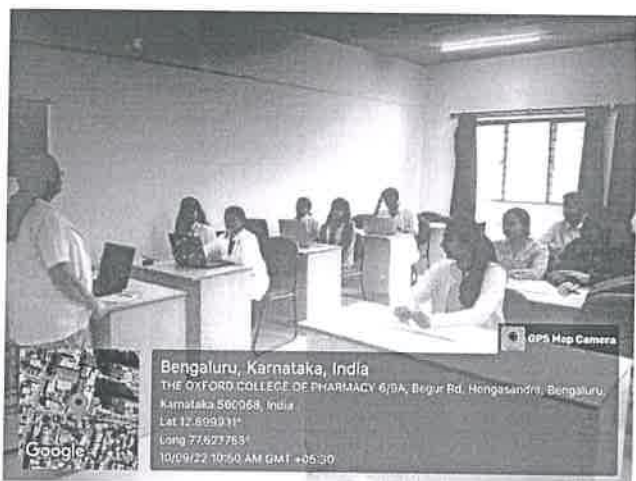
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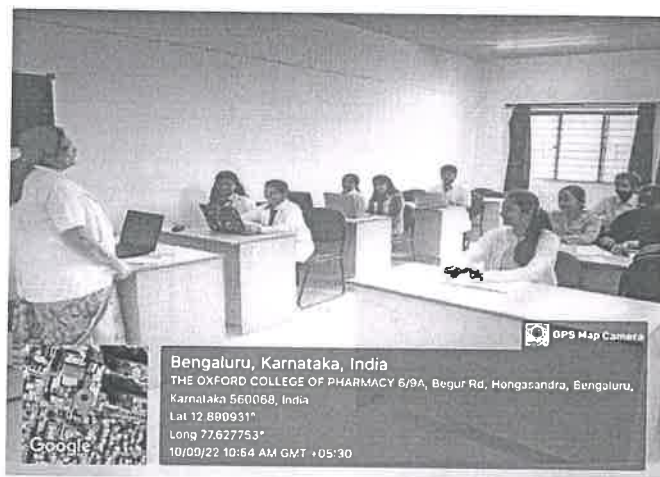
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It plays major in to provide assessment of the state of health in the community and to determine met and unmet health needs, to indicate the basic factors underlying the state of health by diagnosing community ills and to discover solution to such health problems.

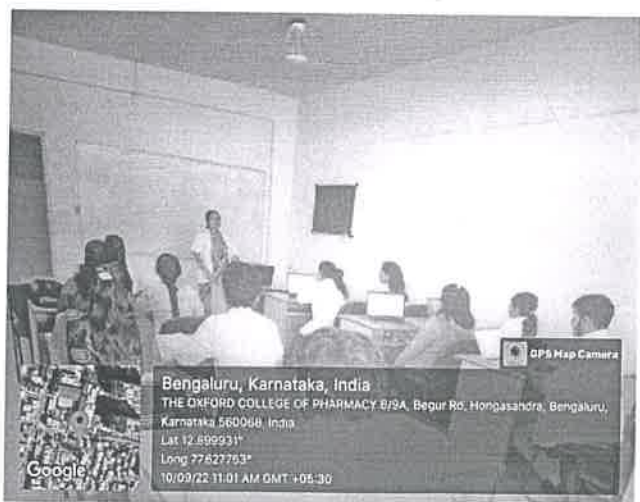


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## Dr. Padmaa M Paarakh delivering the seminar talk



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## Dr. Padmaa M Paarakh interacting with the participants



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



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## OUTCOME

There were 20 participants in the seminar. The seminar outcomes included a deeper understanding of advanced statistical methodologies, such as mixed-effects models, Bayesian inference, and machine learning techniques. Participants also learned about the latest trends in biostatistics research, including big data and integrating multiple data sources. The seminar provided valuable insights and knowledge that can be applied in various biostatistics applications, such as clinical trials, epidemiology, and public health research.

*P. Padma*

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### LIST OF PARTICIPANTS

Sl.No	Register No.	Name of the student
1	22PU429	Amit Singh
2	22PU430	Badepalli Reddaiah Reddy
3	22PU432	Harsha K.M
4	22PU433	Jawaharmaniyarasan.S
5	22PU434	Manoj AN
6	22PU436	Mulla Ujma Riyaz
7	22PU437	Nalagatla Sunandha
8	22PU438	R Navya Sree
9	22PU439	Ranjita Ramesh Shetty
10	22PU441	Sonali Milan Nalwade
11	22PP266	Anil Kumar.R
12	22PP267	Ankitha Nidhi Reddy
13	22PP268	Bindu.K
14	22PP269	C Mohammed Yaseen
15	22PP270	Gowda Mahantesh Sharanappa
16	22PP271	Hamsa.C.B
17	22PP272	Kushan Raj.P
18	22PP273	Madhu Chandra.M
19	22PP274	Mahesh Gowda.B.N
20	22PP275	Manohar.S



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6	22PU436	Mulla Ujma Riyaz	
7	22PU437	Nalagatla Sunandha	
8	22PU438	R Navyasree	
9	22PU439	Ranjita Ramesh Shetty	
10	22PU441	Sonali Milan Nalwade	
11	22PP266	Anil Kumar.R	
12	22PP267	Ankitha Nidhi Reddy	
13	22PP268	Bindu.K	
14	22PP269	C. Mohammed Yaseen	
15	22PP270	Gowda Mahantesh Sharanappa	
16	22PP271	Hamsa.C.B	
17	22PP272	Kushan Raj.P	
18	22PP273	Madhu Chandra.M	
19	22PP274	Mahesh Gowda.B.N	
20	22PP275	Manohar.S	

P. Padma

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Bengaluru - 560 068





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# 6/9, 1ST MAIN, BEGUR ROAD, HONGASANDRA, BENGALURU-560 068

## PARTICIPATION CERTIFICATE

This is to certify that Mr/Ms/Dr/Mrs. HAMSA C.B has attended a Seminar on *Frontiers in Biostatistics: Advancements in Methodology and Applications* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2022-23.

  
Co-ordinator

Mrs. Uma Prabha  
Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
HOD

Dr Gururaj S Kulkarni  
Dept. of Pharmaceutics  
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. SONALI MILAN NALWADE** has attended a Seminar on *Frontiers in Biostatistics: Advancements in Methodology and Applications* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2022-23.

  
Co-ordinator

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Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
HOD

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Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. ANIL KUMAR. R has attended a Seminar on *Frontiers in Biostatistics: Advancements in Methodology and Applications* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2022-23.

  
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Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
HOD

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**PARTICIPATION CERTIFICATE**

This is to certify that Mr/Ms/Dr/Mrs. NALAGATLA SUNANDHA has attended a Seminar on *Frontiers in Biostatistics: Advancements in Methodology and Applications* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2022-23.

  
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Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
HOD

Dr Gururaj S Kulkarni  
Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
Principal

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## PARTICIPATION CERTIFICATE

This is to certify that Mr/Ms/Dr/Mrs. AMIT SINGH has attended a Seminar on *Frontiers in Biostatistics: Advancements in Methodology and Applications* held at the Department of Pharmaceutics, The Oxford College of Pharmacy, Bangalore, Karnataka, for the academic year 2022-23.

  
Co-ordinator

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Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
HOD

Dr Gururaj S Kulkarni  
Dept. of Pharmaceutics  
The Oxford College of Pharmacy

  
Principal

Dr. Padma M Paarakh  
The Oxford College of Pharmacy