



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University declared under Section 3 of UGC Act 1956)

Comprising Sri Devaraj Urs Medical College

[Constituent unit of Sri Devaraj Urs Educational Trust for Backward Classes (Regd.)]

TAMAKA, KOLAR-563 103, KARNATAKA, INDIA

Ph: 918152-243003, +91 9448395232, Fax : +918152 - 243008 E-mail - registrar@sduu.ac.in / office@sduu.ac.in. Website: www.sduu.ac.in

Academic Year: 2023-2024

Sl. No.	Event Report- Department of Pharmacology
1	Name & Level of Event: Guest Lecture on “Alternatives to Animal Experiments” National Level
2	Background / Introduction <p>National Pharmacology Day was celebrated on 17-8-2023 the birth anniversary of Dr Ram Nath Chopra to honor his achievements and contributions to the field of Pharmacology. A Guest Lecture on “Alternatives to Animal Experiments” was organised on this day and hosted on Microsoft teams platform from 9:30 a.m. to 11:00 a.m. The program started with a brief introduction regarding the current status of Animal Experiments by Dr. Arun Hebbar J N, Assistant Professor. Dr Raghu M N, Associate Professor, welcomed patrons, resource person, all faculty and delegates.</p> <p>Dr Bhuvana, Professor and HoD, introduced Dr. Sharath B, Deputy Director, Internal Quality Assurance Cell Yenepoya (Deemed to be University) Mangalore. The session began by exemplifying the three R’s (Reduce, Replace and Refine), which are guiding principles for the ethical usage of animals for research. He elaborated on animal studies’ justification, purpose, strengths and weaknesses. The scope of toxicity testing in Drugs, Food additives, Cosmetics, Industrial chemicals. and any chemical substance that comes into contact with humans were explained. The example of Cough syrup poisoning, which led to the death of > 100 children in the USA in 1936 by the inappropriate solvent (glycol), was highlighted. The list of common toxicity tests used were enumerated.</p> <p>The various alternatives to animal experiments were explained. Reconstructed human epidermis (artificial skin) and its usage to test strong irritants was elaborated. The procedure of using Balb/c 3T3 cells to test photo toxicity and the chemical method using Direct Peptide Reactivity Assay was highlighted. The Ocular irritation: In vitro using In vitro Macromolecular Degradation Test and Reconstructed human Cornea-like Epithelium was described. Testing for chromosomal damage (genotoxic agent) using the Mammalian Cell Micronucleus Test and Test for gene mutation (mutagen) Ames test was explained. The usage of</p>



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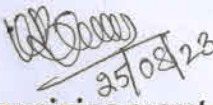
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	BALB/c 3T3 cells and Cell transformation assay to measure carcinogenicity was described. The limitations of alternatives to animal experiments were highlighted. The presentation was concluded by summarizing the topic and stressing the fact that, at present, some alternatives to animal experiments are available, but they do not support total replacement. However, its scope will expand with future validation. The presentation was followed by Vote of thanks by Dr Arun Hebbar JN.
3	Venue Department of Pharmacology, Sri Devaraj Urs Medical College, Kolar
4	Sponsors Sri Devaraj Urs Academy of Higher Education and Research, Kolar
5	Inauguration The Guest lecture started with the welcome address by Dr Raghu MN, Associate Professor, Department of Pharmacology
6	Speakers / Judges / Chairman / Panel Team Speakers 1. Dr. Sharath B. M.Sc. Ph.D. Deputy Director Internal Quality Assurance Cell Yenepoya (Deemed to be University) Mangalore.
7	Participants & Delegates in Number 95 participants
8	Awards / Prizes Nil
9	Valedictory Dr Arun Hebbar J N delivered the vote of thanks. He thanked the Patrons and Administrative Officers for their support in conducting this event, resource persons for their interactive session and the participants for their active involvement and queries which made the session interesting.
10	Any Other Information Nil


25/08/23
Organizing secretary

Dr. Bhuvana K

Professor and Head of Pharmacology

Department of Pharmacology

Sri Devaraj Urs Medical College

Tamaka, Kolar-563103

1. The Registrar, SDUAHER

2. The Principal, SDUMC

3. The Coordinator Website Committee, SDUAHER

4. O/c


25/08/2023
Organizing chairperson

Dr. Sarala N

Professor of Pharmacology

Professor

Department of Pharmacology

Sri Devaraj Urs Medical College

Tamaka, Kolar



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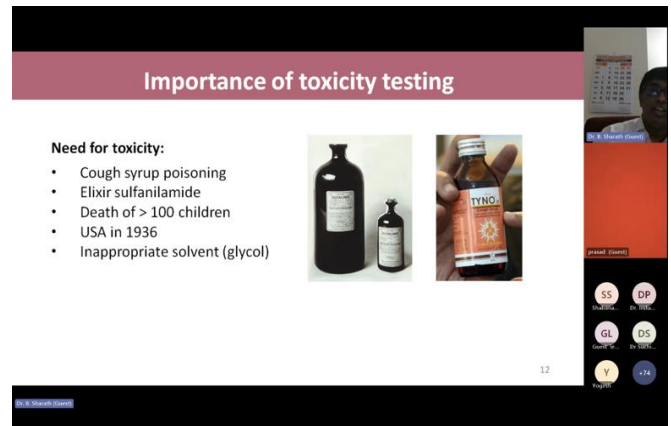
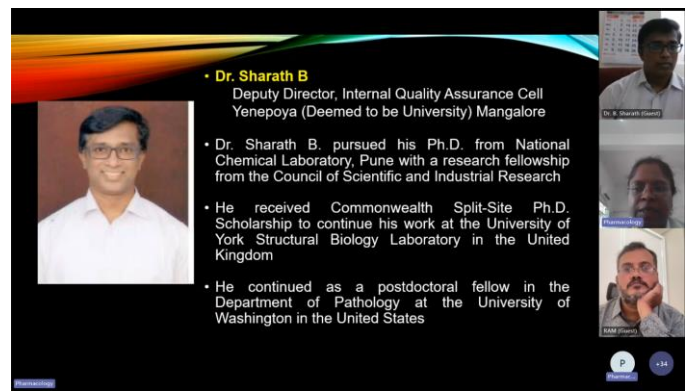
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Photos of Alternatives to Animal Experiments.





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