



Jagadguru Sri Shivarathreeshwara University, Mysuru
(Accredited 'A' Grade by NAAC)
Ranked No. 1 by Karnataka State University Rating Framework (KSURF), Govt. of
Karnataka
and 45th by National Institutional Ranking Framework (NIRF), MHRD, Govt. of India

**NATIONAL SEMINAR
ON
APPLICATIONS OF 4Rs IN ALTERNATIVES
TO ANIMAL TESTING
15th & 16th September, 2017**

Department of Pharmacology
JSS COLLEGE OF PHARMACY, Ootacamund, Tamil Nadu
(An ISO 9001:2015 Certified Institution)
(Ranked 17th by NIRF-MHRD, Govt. of India)

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Report on National Seminar

The Department of Pharmacology, JSS College of Pharmacy, Ooty organized **Two days National Seminar on "Applications of 4Rs in Alternatives to Animal Testing"** (4Rs- AAT, 2017) on 15th & 16th September, 2017.

Dr. R. Vadivelan, the Organizing secretary of the National Seminar welcomed the gathering. **Dr. S. P. Dhanabal**, Principal, delivered the Presidential address. The Chief Guest, **Dr. Vivek Tyagi**, Expert consultant, CPCSEA, Animal Welfare Division, Ministry of Environment, Forest and Climate Change, New Delhi delivered the Key note talk on "Aims, Roles and Guidelines of CPCSEA."

The CD of National seminar was released during the Inauguration program and it was provided to the speakers and the delegates.

This seminar was successfully attended by 96 participants from various departments.

Various eminent speakers from all over the country have delivered lectures on “the importance of alternatives” to animal testing.

- **Dr. C.D. Anuradha**, Director i/c, Center of Biotechnology, Chennai, elaborated on Synergistic role of 5-Azacytidine and Ascorbic acid in directing Cardiosphere derived cells to cardiomyocytes.
- **Dr. C. Kathirvelan**, Assistant Professor, Veterinary College & Research Institute (TANUVAS), Namakkal addressed on In vitro Alternatives in Ruminant Animal Feed Evaluation.
- **Dr. S. P. Muthukumar**, Scientist, CFTRI, Mysuru addressed on Human in vitro (HIV): An Alternative to Animal Testing.
- **Dr. Praveen Thaggikuppe Krishnamurthi**, Professor, Dept. of Pharmacology, JSS College of Pharmacy, Ooty, addressed on Animal Testing: History and alternative methods.
- **Dr. E. P. Kumar**, Professor, Nehru college of Pharmacy, Pambadi, Kerala addressed on Alternative To Animal Experimentation: Past, Present, And Future Prospective.
- **Dr. M. Ramesh**, Professor, Bharathiar University, Coimbatore addressed on Effects of Pharmaceuticals on Aquatic Organisms: A Multi-biomarker Approach Using Zebrafish. **Dr. R.Sundararaj**, Professor, Bharathiyar University, Coimbatore addressed on Nematodes as an alternative model.
- **Dr. R. Vadivelan**, Professor, Department of Pharmacology, JSS College of Pharmacy, Ooty addressed on Fulfillment of 4th 'R' -Humane End Points & Severity Assessment.
- A e-poster session was conducted for selected 35 participants out of 45 Abstracts received, and the posters were evaluated by a panel of 4 judges, and the best three posters for two sessions were selected.

The seminar recommended on importance of alternatives in animals testing, fulfillment of 4R's in animal experimentation and implementation of CPCSEA guidelines. This seminar also created awareness among the research scholars regarding ethical principles of CPCSEA on animal experimentation

A valedictory function on 16th September 2017 between 2.30 to 4.00 pm was organized. **Dr.Vadivelan.**, Organizing secretary, gave a brief report on the conference, followed by oral feedback from the participants was taken. The certificated were distributed to all the participants and the conference was ended with vote of thanks.

I express my sincere gratitude to Department of Biotechnology, New Delhi, Indian Council of Medical research, New Delhi and Jagadguru Sri Shivarathreeshwara University, Mysuru, for the financial support for conducting this National seminar.

Signature of Organizing Secretary

**Signature of Head of the
Organization/Institute**

Inaugural Function



Lighting of lamp



CD- Release



Dr.Vivek Tyagi –Key note Talk



Lecture by Dr.C.D Anuradha



Lecture by Dr.C.Kathirvelan



Lecture by Dr.S.P.Muthukumar



Lecture by Dr.T.K.Praveen



Lecture by Dr.M.Ramesh



Lecture by Dr.Sundararaj



Lecture by Dr.E.P.Kumar



Lecture by Dr.R.Vadivelan



Group Photo with Principal Dr.S.P.Dhanabal



e-Poster Presentation



Participants Group Photo



Best e-Poster .Prize Distribution

