1234
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SCHOOL OF
BUSINESS MANAGEMENT
Executive MBA
of NMIMS
Won 'Gold Award' in
Conclave 2013
Volunteer
COUNTER
NED 2013

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Celebrates
National
Education day

School of Science
Celebrates
day
Dr. Jayant Gandhi
NMIMS
Dr. Aparna Khanna

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Dr. Nancy Pandita

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Dr. Nancy Pandita

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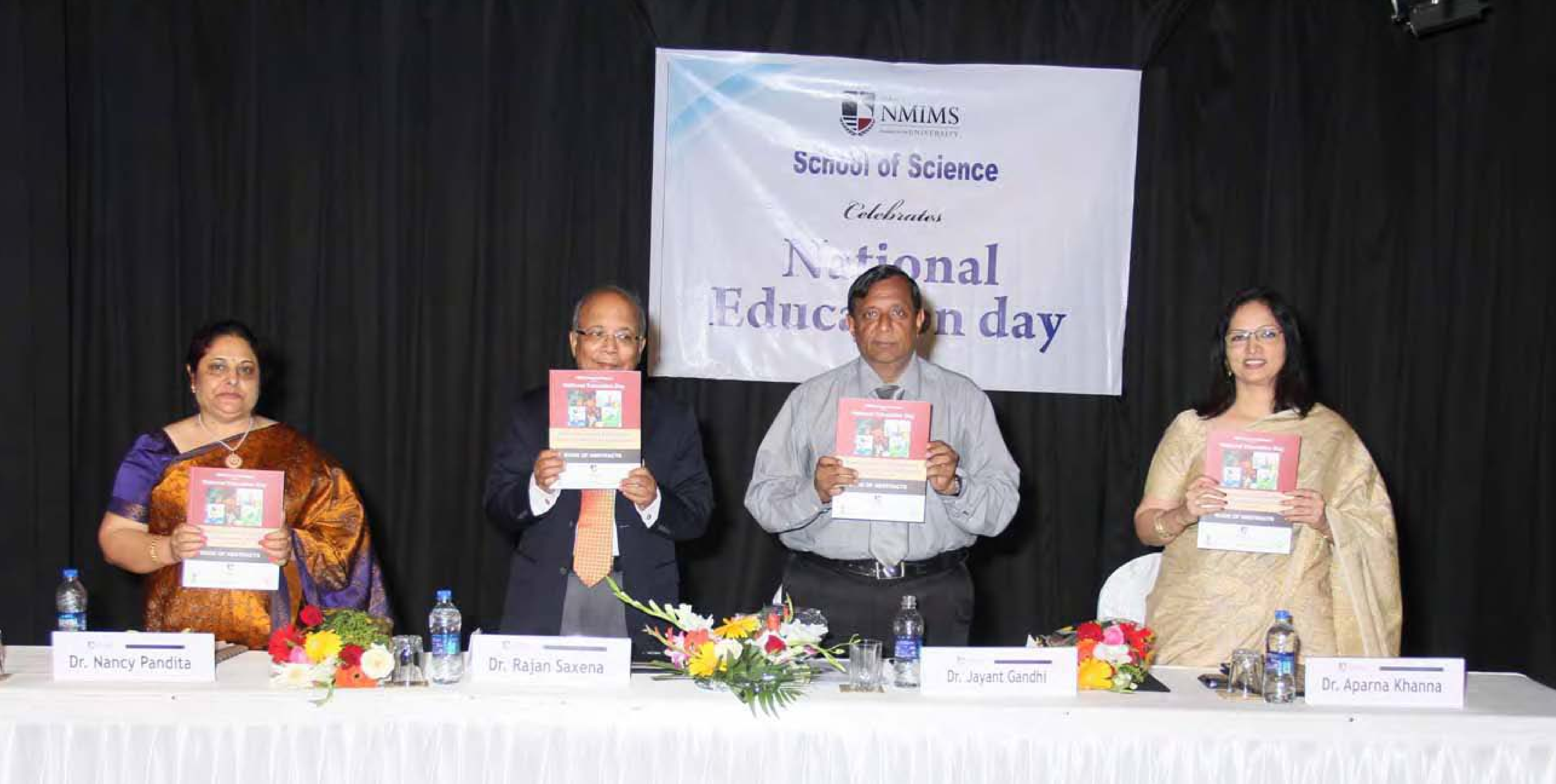
Dr. Nancy Pandita
Dr. Rajan Saxena
Dr. Jayant Gandhi
Dr. Aparna Khanna



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Dr. Rajan Saxena
Dr. Jayant Gandhi
Dr. Aparna Khanna

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Dr. Brijesh S.

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Dr. D. Bahadur
On the Occasion of
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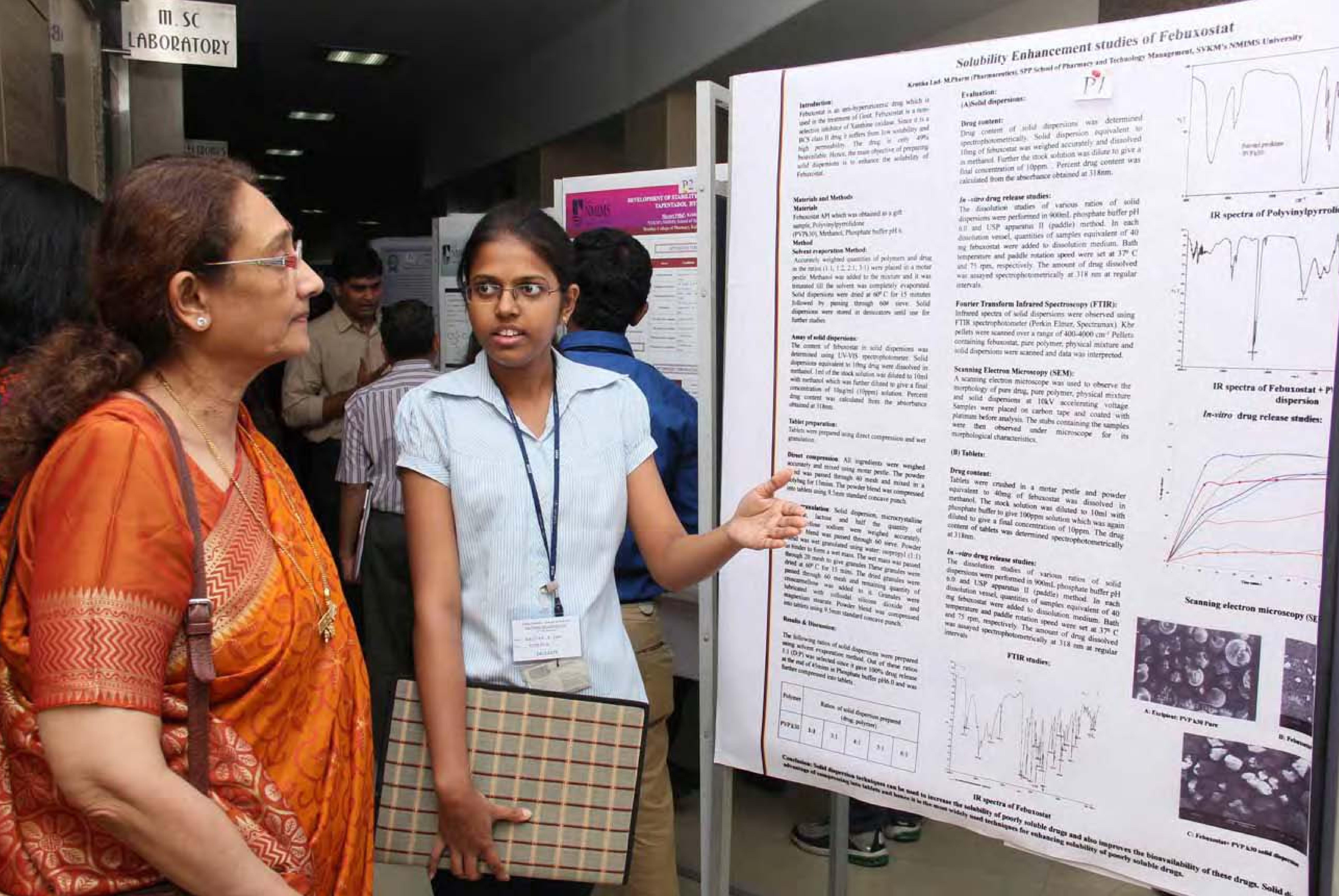
M.SC
LABORATORY
Solubility Enhancement studies of Febuxostat
IR spectra of Polyvinylpyrrolido
In-vitro drug release studies:
Scanning electron microscopy
FTIR studies:
IR spectra of Febuxostat

JR. ELECTRONICS
LABORATORY

MICROEMULSION BASED INTRANASAL DRUG DELIVERY O
Payal Desai, Sarika Wairkar, Ram Gaud
ABSTRACT
INTRODUCTION
EXPERIMENTAL WORK

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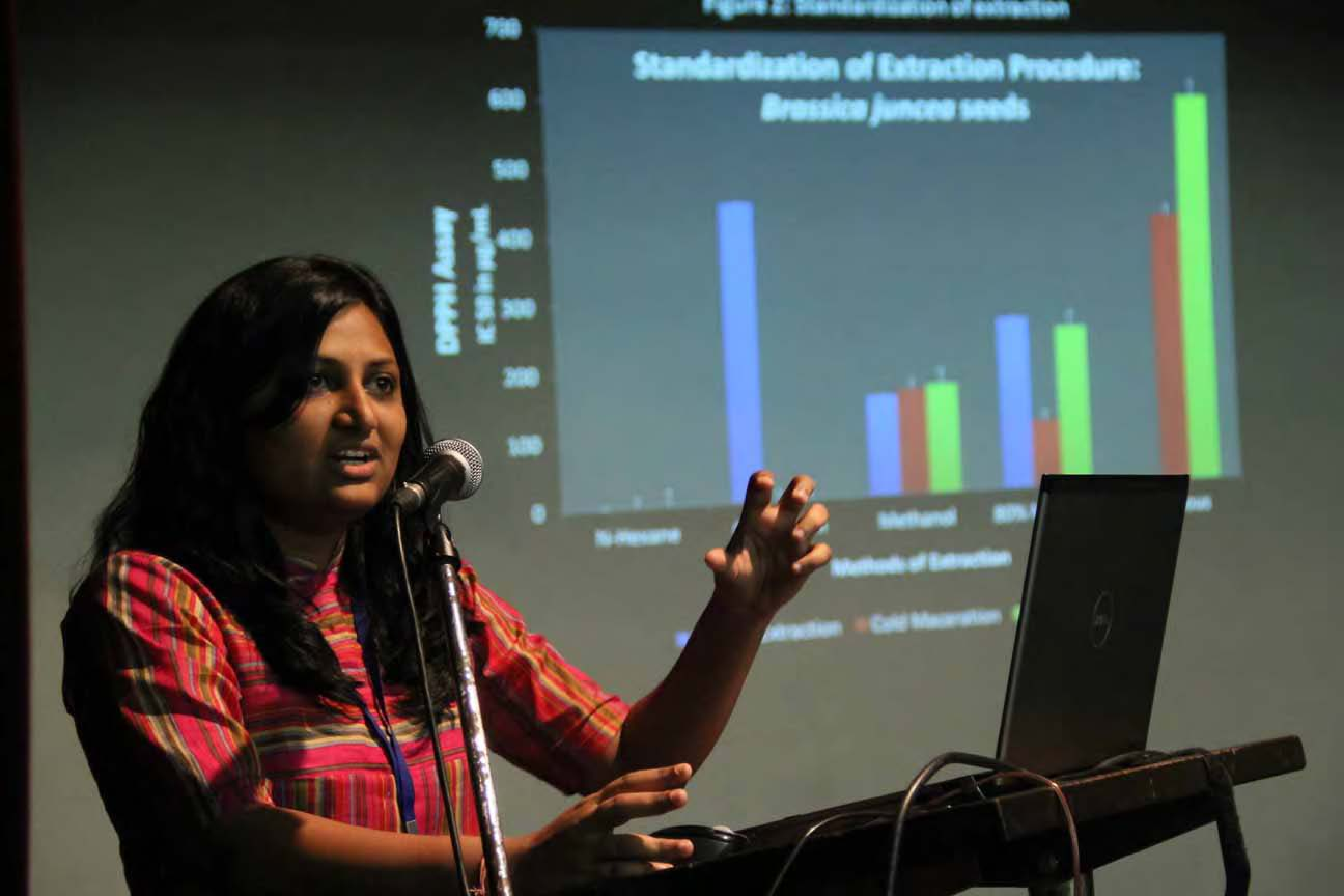
P21
ntioxidant and Anti-aging ability of Methanolic Extracts of Ocimum tenuiflorum Linn.
SVKM's NMIMS, School of Science, Vile-Parle (West), Mumbai-400 056
INTRODUCTION
SKIN AGING
AIM
OBJECTIVES
MATERIALS & METHODS
ANTIOXIDANT ASSAYS
DPPH FREE RADICAL SCAVENGING ASSAY
Preparation of various concentration of std /test extract
DPPH Reagent (10 mg/ml)
Working stalk (0.36 mg/ml)
1 ml Test Solution + 200µl Reagent
Absorbance at 517 nm after 30min. incubation at RT
SUPEROXIDE ANION RADICAL SCAVENGING ASSAY
Reaction initiation by 0.75 ml PMS
Incubation at R.T. for 5 min and Absorbance is measured at 560 nm
ABTS RADICAL SCAVENGING ASSAY
ORAC ASSAY
CONCLUSION

determining the LD_{50} values.
Silver nanoparticles
obtained through chemical reduction of silver nitrate using sodium borohydride as reducing agent
Gold nanoparticles
obtained through a chemical reduction of gold (III) chloride using trisodium citrate as reducing agent
Embryos were exposed to different
of silver and
gold nanoparticles at 4 hours post

ANTIOXIDANT
PHYTOCHEMICALS



Standardization of Extraction Procedure:
Brassica juncea seeds
700
600
500
400
300
200
100
0
DPPH Assay
Methanol
Methods of Extraction
Extraction
Cold Maceration

NMIMS
Prof. Leena Kulkarni
NMIMS
Prof. Sunil Shirvaiker

And,
need

Prof. Leena

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Dr. M. N. Welling
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Industry Outlook Survey Contd…
The survey consists of a panel of about 2000 private and public limited companies engaged in manufacturing activities
The response pattern ranges between 60-75 %

Research Background
•Stock markets are the primary indicators of a country's economy. It gives us a picture of the growth and development of a country.
•The CNX NIFTY index has 50 stocks from 22 sectors of the Indian economy. It represents about 70.28% of free float market capitalization of stocks under
SE.

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Dr. Dhananjaya Saranath
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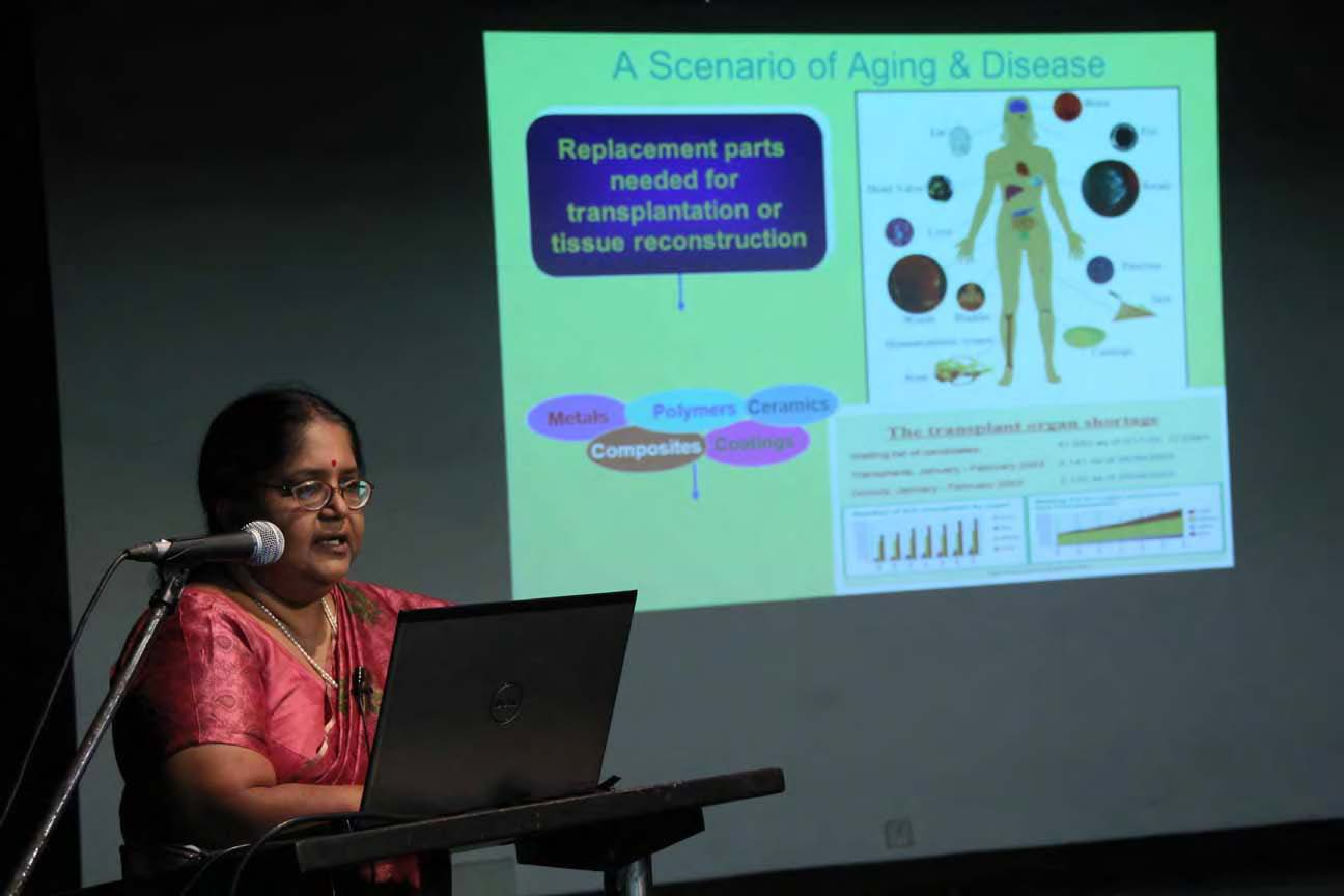

A Scenario of Aging & Disease
Replacement parts needed for transplantation or tissue reconstruction
Metals
Polymers
Ceramics
Composites
Coatings
The transplant organ shortage

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Dr. Prabha Nair
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CLINICAL SPECTRUM
Poor Vision
Photophobia, Tearing, Blepharospasm
Recurrent Pain
Chronic Inflammation & Redness
Scarring
Epithelial Defects

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rates (MAAR)

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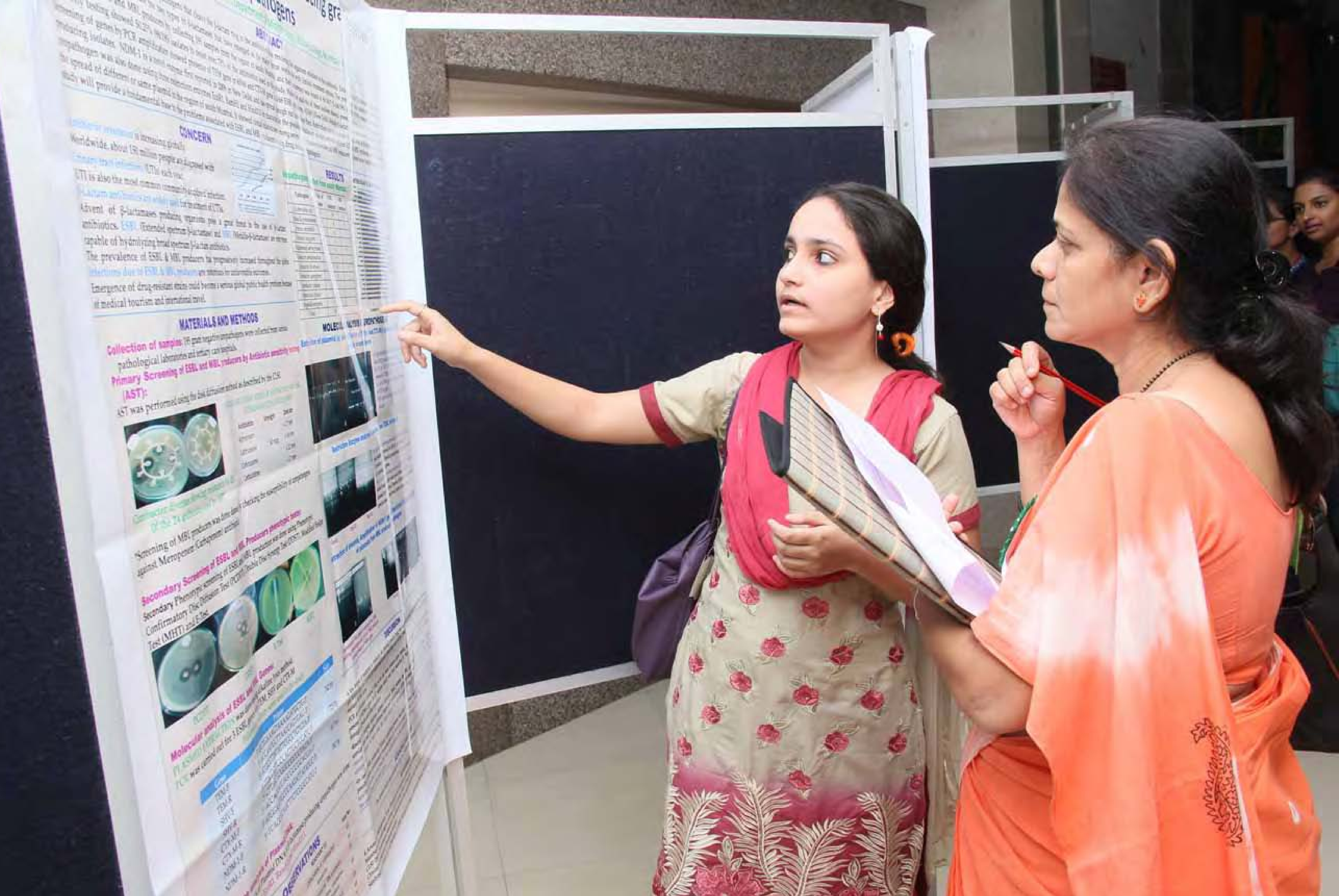
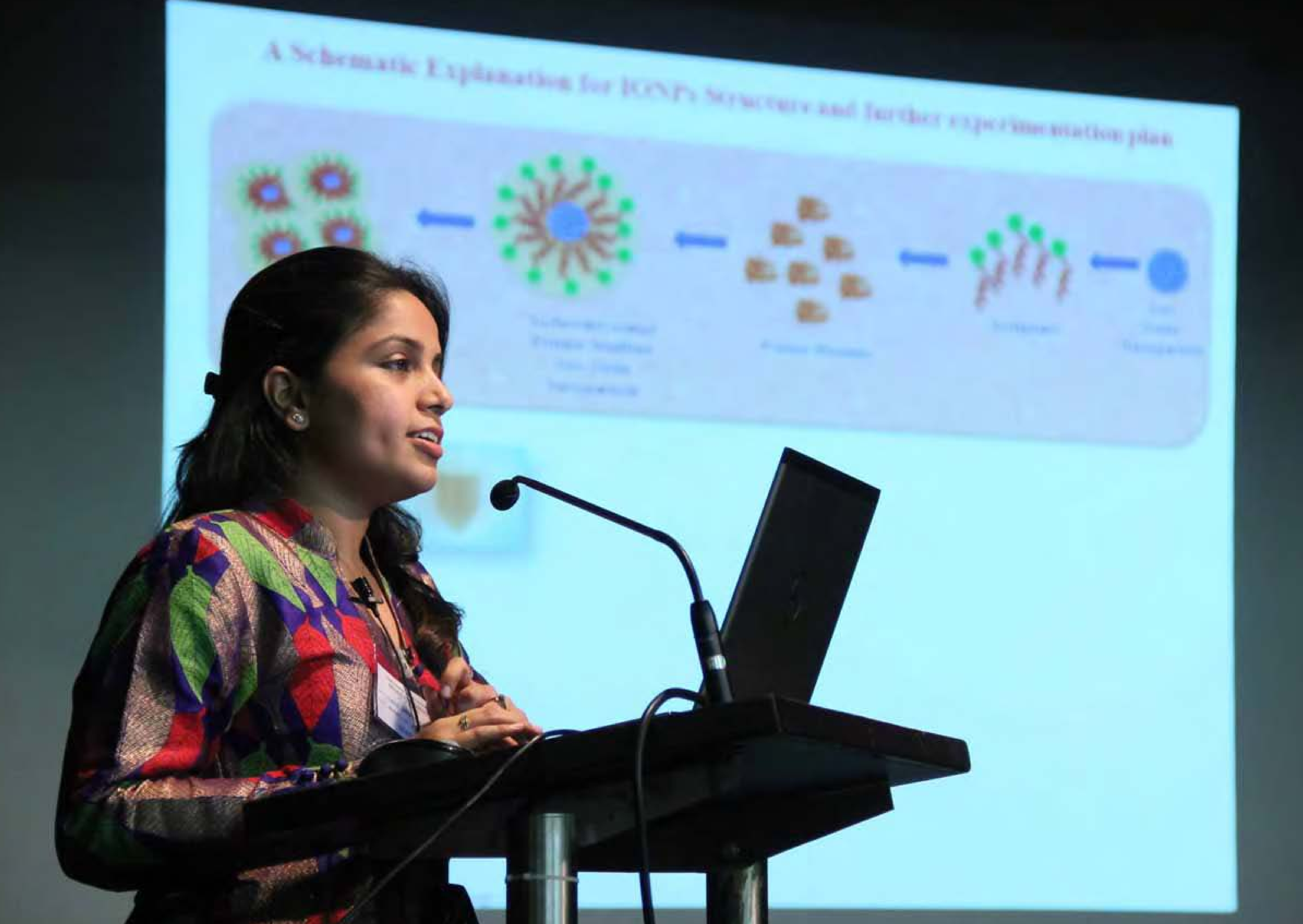
by
ecolorization and Biodegradation study of textile dye Reactive Orange-13 by isolated bacterial strain Shewanella haliotis DWO1.
P51
Radhika Birmole and Aruna K.
Department of Microbiology, Wilson College, Mumbai-400007, India.
Abstract
Introduction
Aims and Objectives
Materials and Methods
Results
Optimization of Medium
Optimization of pH
Optimization of Temperature
Optimization of O.D
Varying Concentration of NaCl
Addition and Substitution Assay
Dye Spectrum
Determination of highest dye concentration degraded
Effect of Pre-grown cell mass on dye degradation
U.V-Visible Spectroscopy Analysis
Toxicity Assay
COD and HPTLC Analysis
Enzyme Analysis
FTIR Analysis
LCMS Analysis



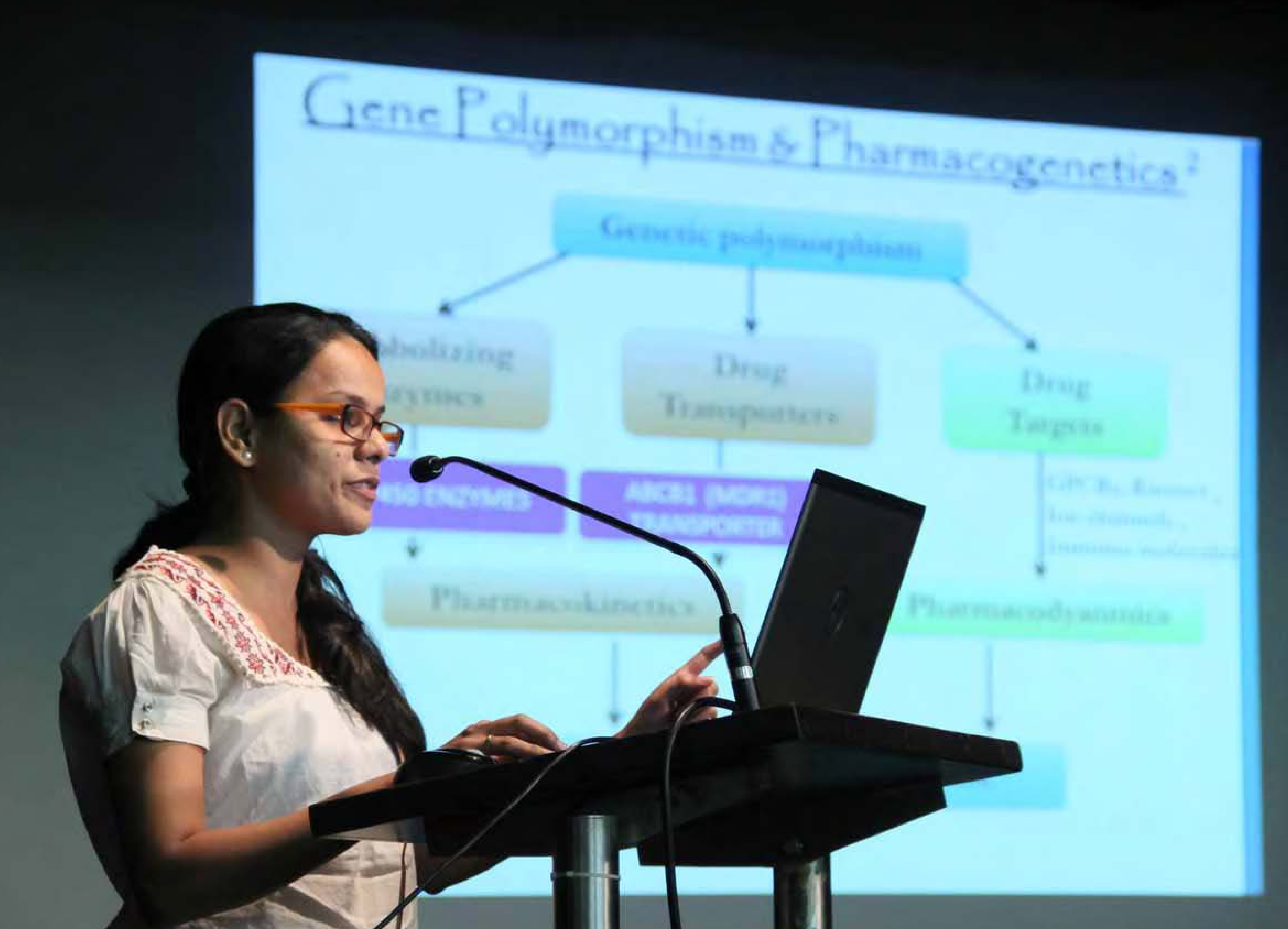
CONCERN
Worldwide, about 150 million people are diagnosed with
Emergence of drug-resistant strains could become a serious global public health problem because of medical tourism and international travel.
RESULTS
MATERIALS AND METHODS
Collection of samples
pathological laboratories and tertiary care hospitals.
Primary Screening of ESBL and MBL producers by Antibiotic sensitivity testing (AST):
AST was performed using the disk diffusion method as described by the CLSI.
Secondary Screening of ESBL and MBL Producers phenotypic tests
Molecular analysis of ESBL and MBL Genes
OBSERVATIONS

P66
Evaluation of vapors of essential oils
Trachyspermum ammi in increasing the shelf
fresh produce
Mithibai College of Arts, Chauhan Institute of Science, & Amrutben Jivanlal College of Commerce &
Mumbai
INTRODUCTION
MATERIALS & METHODS
RESULTS
Serial No.
Organism
Dilution of oil used
Zone of inhibition (in mm)
Fungus
1:10
23
Yeast
1:10
14
1) Fungus
2) Yeast


A Schematic Explanation for ICNPs Structure and further experimentation plan

NTRODUCTION

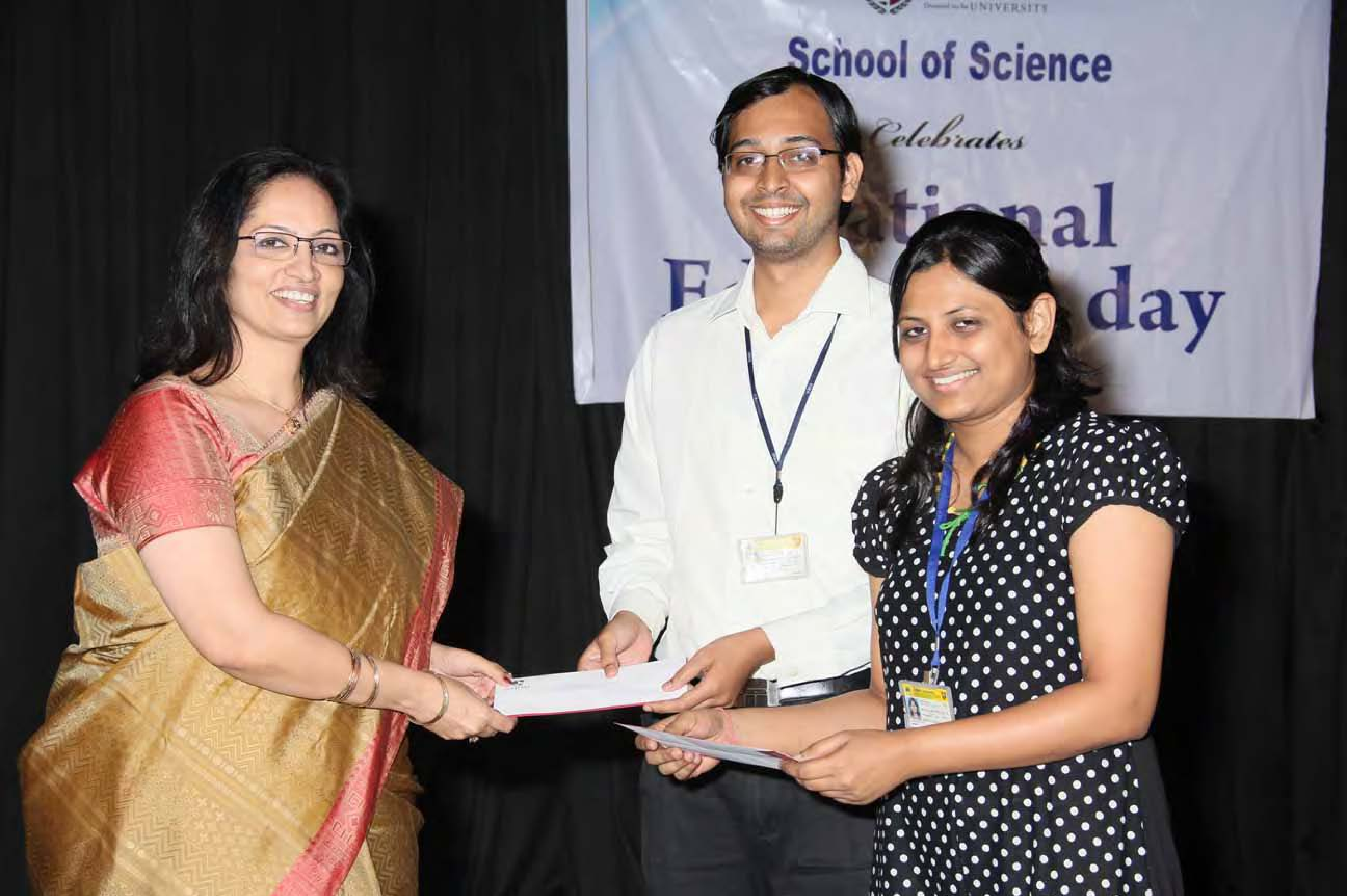
Dr. Abida Juwle
Dr. Purvi Bhatt



Gene Polymorphism & Pharmacogenetics 2
Genetic polymorphism
Drug Transporters
Drug Targets
Pharmacokinetics
Pharmacodynamics

The Long and Winding Road to an AIDS Vaccine
First AIDS case reported : 1981
HIV identified as cause of AIDS :1983
in knowledge in virology, pathogenesis and
in the last three decades
experimental vaccines have been developed and some
are being
clinical trials
Yet a safe, effective
remains elusive

Seminiferous tubule culture
A type of testicular explant culture including fragments of seminiferous tubules and excluding interstitial tissue
Advantages of using seminiferous tubule culture
• Tubular paracrine environment is mostly preserved
• The effect of hormones can be studied alone (without influence of changes in other hormone levels through the hypothalamo-pituitary-gonadal axis)
• Hence, a good representative of in vivo system
This system has been used earlier for toxicity studies and to study the effects of some growth factors and hormones on gene expression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