1st Convention of SFE - INDIA, 2014

National Seminar
“Opportunities in Medicinal Plant Research”

Organized by:
School of Natural Product Studies
Jadavpur University
Kolkata, India
web: www.jaduniv.edu.in

In Association with:
Society for Ethnopharmacology
(SFE - INDIA)
23/3 Saktigarh, Kolkata

(Affiliated to: International Society for Ethnopharmacology, UK)
www.ethnopharmacology.in

Conference Guide
(Program Book)

November 29-30, 2014
Venue: Gandhi Bhavan
Jadavpur University, Kolkata
### 1st Convention: SFE - INDIA, 2014

**National Seminar**

“Opportunities in Medicinal Plant Research”

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**Venue:** Gandhi Bhavan, Jadavpur University, Kolkata

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**Day 1: Saturday, November 29, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>08:30 – 10:00 am</td>
<td><strong>REGISTRATION</strong></td>
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<tr>
<td>10:00-10:15</td>
<td>Felicitation of the dignitaries &amp; Lightening the lamp</td>
</tr>
<tr>
<td>10:15-10:20</td>
<td>Introductory remarks : Dr. Pulok K. Mukherjee, Organizing Secretary, National Seminar, School of Natural Product Studies, Jadavpur University, Kolkata</td>
</tr>
<tr>
<td>10:20-10:25</td>
<td>Welcome Address : Prof. Asis Mazumder, Co-chairman Organizing Committee &amp; Dean, Faculty of ISLM, Jadavpur University, Kolkata</td>
</tr>
<tr>
<td>10:25-10:35</td>
<td>Inaugural address : Prof. Abhijit Chakraborty, Vice Chancellor, Jadavpur University, Kolkata</td>
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<tr>
<td>10:35-10:40</td>
<td>Address : Prof. Sivaji Bandyopadhyay, Dean, Faculty of Engineering &amp; Technology, Jadavpur University, Kolkata</td>
</tr>
<tr>
<td>10:40-10:45</td>
<td>Address : Prof. Y.K. Gupta, Professor &amp; Head, Department of Pharmacology, All India Institute of Medical Sciences, New Delhi</td>
</tr>
<tr>
<td>10:45-10:50</td>
<td>Address : Dr. D.C. Katoch, Joint Advisor, Ministry of AYUSH, Government of India, New Delhi</td>
</tr>
<tr>
<td>10:50 -10:55</td>
<td>Address : Ms. Meenakshi Negi, Deputy Chief Executive Officer, National Medicinal Plant Board, Ministry of AYUSH, New Delhi</td>
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<tr>
<td>10:55-11:00</td>
<td>Address : Dr. Pratim Banerji, President, Society for Ethnopharmacology (SFE-INDIA), Kolkata</td>
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<tr>
<td>11:00-11:05</td>
<td>Address : Mr. Birendra Kumar Sarkar, Managing Director &amp; CEO, Parker Robinson Pvt. Ltd, Kolkata</td>
</tr>
<tr>
<td>11:05-11:10</td>
<td>Address : Dr. T.K. Maity, Head, Dept. of Pharm. Tech., Jadavpur University, Kolkata</td>
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<tr>
<td>11:10-11:15</td>
<td>Vote of Thanks: Dr. Tuhindri Sen, Dept. of Pharm. Tech., Jadavpur University, Kolkata</td>
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<tr>
<td>11:15-11:30</td>
<td>High Tea</td>
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</table>
### Special Lectures: Session I: 11:30 am - 01:00 pm

**“Opportunities in Medicinal Plant Research and Ethnopharmacology”**

Chairpersons: Dr. Prasanta K. Sarkar, Director, ISM Drug Control and WBSMPB & Dr. Tuhinadri Sen, School of Natural Product Studies, Jadavpur University, Kolkata.

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>Dr. Pulok K. Mukherjee</td>
<td>Society for Ethnopharmacology - INDIA: Globalizing Local Knowledge - Localizing Global Technology</td>
</tr>
<tr>
<td>Dr. Y. K. Gupta</td>
<td>Opportunities and challenges for clinical trial in medicinal plants</td>
</tr>
<tr>
<td>Dr. D.C. Katoch</td>
<td>Opportunities and regulatory scenario for development of herbal medicine</td>
</tr>
<tr>
<td>Ms. Meenakshi Negi</td>
<td>Healthcare Research- a paradigm shift</td>
</tr>
</tbody>
</table>

01:00 - 02:00 pm **Lunch break (Venue: University Guest House)**

### Plenary Lectures: Session II: 02:00 – 03:00 pm

**“Extraction & Evaluation of Medicinal Plants”**

Chairpersons: Dr. Jayram Hazra, Director, NRIADD, CCRAS, AYUSH, Min. of Health & F.W., Govt of India, Kolkata & Dr. Tapan Kumar Mandal, Professor, Dept. of Pharmacology and Toxicology, WBUAFSc.

<table>
<thead>
<tr>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>Dr. Pravin Wakte</td>
<td>Supercritical Fluid Technology in Natural Product Research</td>
</tr>
<tr>
<td>Mr. Saikat Banerjee</td>
<td>Metabolite analysis through LC/MS-MS techniques of medicinal plants</td>
</tr>
<tr>
<td>Dr. Chandana Barua</td>
<td>Ethnobotanical assessment of medicinal plants used in the treatment of animal disease</td>
</tr>
</tbody>
</table>

### Plenary Lectures: Session III: 03:00 – 04:00 pm

**“Quality Control & Validation of Medicinal Plants”**

Chairpersons: Dr. Pratip K. Debnath, Director, Gananath Sen Institute of Ayurveda & Research, Kolkata & Mr. Dipankar Chakraborty, Vice President, Pharmacy Council of India, New Delhi.

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>Dr. Prakash Itankar</td>
<td>Comparative quality profile of organically and non-organically grown medicinal plants</td>
</tr>
<tr>
<td>Name</td>
<td>Abstract Title</td>
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<tr>
<td>Dr. Manoj Pillai</td>
<td>Liquid chromatography Mass Spectrometry based workflows for herbal product analysis</td>
</tr>
<tr>
<td>Dr. A.K.S. Rawat</td>
<td>Issues related to quality assurance of herbal raw materials for developing standardized herbal medicines/products</td>
</tr>
<tr>
<td>Dr. Debprasad Chattopadhay</td>
<td>Dietary Nutraceuticals: Modern perspectives</td>
</tr>
<tr>
<td>Dr. Bimalendu Roy</td>
<td>Discovery and development of novel drug candidates: polysaccharides with pronounced pharmacological activities</td>
</tr>
<tr>
<td>Dr. Achintya Mitra</td>
<td>Exploring the potential Ayurvedic Medicinal Plant used in the management of Psoriasis</td>
</tr>
<tr>
<td>Dr. Tapas Kumar Sar</td>
<td>Bioavailability enhancing and antioxidant activities of Ocimum sanctum leaf juice with intravenous ceftriaxone in Staphylococcus aureus chronic mastitis in goat.</td>
</tr>
<tr>
<td>Dr. Subrata Ganguli</td>
<td>An analysis of business models of Ethno-companies in the pharmaceutical industry.</td>
</tr>
<tr>
<td>Dr. Mokhtar Alam</td>
<td>Native phyotherapy for filariasis from Odisha, India</td>
</tr>
<tr>
<td>Dr. Anwesa Bag</td>
<td>Synergistic interaction of coriander/ cumin seed oil combination: An approach for facilitating their use in food preservation system</td>
</tr>
<tr>
<td>Name</td>
<td>Institution/University</td>
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<tr>
<td>Dr. Chowdhury Habibur Rahaman</td>
<td>Department of Botany, Visva-Bharati University, Santiniketan</td>
</tr>
<tr>
<td>Dr. Sudipt Kumar Rath</td>
<td>National Institute of Ayurveda, Jaipur</td>
</tr>
<tr>
<td>Dr. Nilakshi Gohain</td>
<td>Dept. of Biotechnology, Gauhati University, Guwahati, Assam</td>
</tr>
<tr>
<td>Dr. Emdad Hossain</td>
<td>Pharmacy College, Azamgarh, U P, India</td>
</tr>
<tr>
<td>Dr. C. D. Satish</td>
<td>PES Institute of Technology, Bangalore</td>
</tr>
<tr>
<td>Dr. Gauri Swar</td>
<td>Herbal Research Laboratory, Ramnaranai Ruia College, Matunga, Mumbai</td>
</tr>
<tr>
<td>Dr. Mayuresh Joshi</td>
<td>Herbal Research Lab., Ramnaranai Ruia College, Matunga, Mumbai</td>
</tr>
<tr>
<td>Dr. Amit Kumar Taraphdar</td>
<td>J. B. Roy State Ayurvedic Medical College &amp; Hospital Kolkata</td>
</tr>
<tr>
<td>Dr. H.K. Chaurasia</td>
<td>T.N.B. College Bhagalpur</td>
</tr>
<tr>
<td>Dr. Dipayan Paul</td>
<td>R&amp;D Healthcare Division, Emami Ltd., Belghoria, Kolkata</td>
</tr>
</tbody>
</table>

**Poster Presentation Session I: 11:00 am – 1:30 pm**

<table>
<thead>
<tr>
<th>SECTION – A</th>
<th>Chairperson: Dr. Abhijit Sengupta, Principal, Guru Nanak Inst. Collg. of Pharm. Sc, Kolkata Dr. Chowdhury H. Rahaman, Dept. of Botany, Viswa-bharati University, WB.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECTION – B</td>
<td>Dr. S. Rajan, Scientist, CCRH, AYUSH, Ministry of Health &amp; Family Welfare, TN. Dr. L K Ghosh, Professor, Dept. of Pharm Tech, JU, Kolkata.</td>
</tr>
<tr>
<td>SECTION – C</td>
<td>Mr. Prabir Banerjee, Inspector of Drugs, Govt of West Bengal. Dr. Sushil K Chaudhary, School of Natural Product Studies, JU.</td>
</tr>
<tr>
<td>SECTION – D</td>
<td>Dr. Satadal Das, Consultant Microbiologist, Peerless Hospital, Kolkata. Dr. C.D.Satish, Professor, PES Institute of Technology, Bangalore.</td>
</tr>
</tbody>
</table>
**SECTION – E**  
Dr. Nishikant Raut, Asst. Professor, RTM Nagpur University, Nagpur.  
Dr. Ketousetuo Kuotsu, Asst. Professor, Dept. of Pharm Tech, JU, Kolkata.

**Poster Presentation Session II: 02:30 – 06:00 pm**

| Abstract Number | Dr. B. Karmakar, Principal Secretary, FET, Jadavpur University, Kolkata.  
Dr. Emdad Hossain, Professor, Pharmacy College, Azamgarh, UP |
<table>
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<tr>
<td></td>
<td>SECTION – B</td>
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<tr>
<td></td>
<td>Dr. Pawan K Kaushik, Regional Director, CFLE, Tripura</td>
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<td></td>
<td>Dr. Sanmoy Karmakar, Associate Professor, Dept. of Pharm Tech, JU, Kolkata.</td>
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<td></td>
<td>SECTION – C</td>
</tr>
</tbody>
</table>
|                  | Dr. Santanu Bhadra, Scientific Writer, Novartis health care Pvt. Ltd., Hyderabad  
Dr. Srikant Pandit, J B Roy State Ayurvedic Medical College & Hospital, Kolkata |
|                  | SECTION – D                                                       |
|                  | Dr. Kakali Bose, ACTREC, Tata Memorial Centre, Navi Mumbai, INDIA  
Dr. R. Thirumalai Kumaran, Asst Prof., Sri Ramachandra University, Chennai |
|                  | SECTION – E                                                       |
|                  | Dr. M. Sethuraman, Former Professor, Tamil Nadu University, Tanjore.  
Mr. Sauvik Bhattacharya, Assistant Professor, NSHM College, Kolkata. |

| 07:00 -08:30 pm | **Dinner (Venue – University Guest House)** |

### Day 2: Sunday, November 30, 2014

**08:00-09:00 am**  
**Breakfast (Venue: University Guest House)**

**Special Lecture: Session V: 09:00-10:45 am**

**“Developing Phyto-Pharmaceuticals: An Integrated Approach”**  
Chairperson: Dr. Subhas C Mandal, Senior Inspector of Drugs, Directorate of Drugs Control, Kolkata & Dr. Bishnu Pada Saha, Former Professor, Jadavpur University, Kolkata

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>Mr. Indraneel Das</td>
<td>Water - Give it a second thought.</td>
</tr>
<tr>
<td>Dr. A.S. Raghabendra</td>
<td>Metabolomics of turmeric, a medicinal species: Methodology and application</td>
</tr>
<tr>
<td>Dr. Akshay Charegaonkar</td>
<td>HPTLC for quality evaluation of Medicinal Plants</td>
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<tr>
<td>Speaker</td>
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<tr>
<td>Dr. C. K. Katiyar</td>
<td>Phyto-pharmaceuticals as drugs and defining the stake-holders</td>
</tr>
<tr>
<td>CEO, Healthcare (Technical)</td>
<td>Emami Ltd., Kolkata</td>
</tr>
<tr>
<td>10:45 -11:00 am</td>
<td>Tea Break</td>
</tr>
<tr>
<td><strong>Plenary Lecture: Session VI: 11:00 am – 12:00 pm</strong></td>
<td>“Exploring medicinal plants in Unani system of medicine”</td>
</tr>
<tr>
<td>Chairperson: Dr. Ganga Rao Battu, Professor, College of Pharm. Sc., Andhra University, Visakhapatnam &amp; Dr. Dulal Chandra Pal, Consultant, Parker Robinson Pvt. Ltd., Kolkata</td>
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<tr>
<td><strong>Speaker</strong></td>
<td><strong>Title</strong></td>
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<tr>
<td>Dr. Shakir Jameel</td>
<td>Research in medicinal plants used in Unani medicine-Present and future perspective</td>
</tr>
<tr>
<td>Director General CCRUM, New Delhi</td>
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<tr>
<td>Dr. T.K. Mukherjee</td>
<td>Unani Medicine: Road ahead.</td>
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<tr>
<td>Ex-Scientist, NISCAIR, CSIR New Delhi</td>
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<tr>
<td>Dr. Saroj Pal</td>
<td>Regulatory affairs of herbal medicine</td>
</tr>
<tr>
<td>Directorate of ISM Drugs Control, Govt of West Bengal,Kolkata</td>
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<tr>
<td><strong>Plenary Lecture: Session VII: 12:00-01:30 pm</strong></td>
<td>“Phytochemical and Therapeutic Evaluation of Medicinal Plants”</td>
</tr>
<tr>
<td>Chairperson: Dr. S. Arfin, CCRUM, AYUSH, Govt. of India, New Delhi Dr. Anjan Adhikari, Professor, R G Kar Medical College, Kolkata &amp; Dr. Arun Bandyopadhyay, Principal Scientist, IICB, Kolkata.</td>
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<tr>
<td><strong>Speaker</strong></td>
<td><strong>Title</strong></td>
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<tr>
<td>Dr. Adinpunya Mitra</td>
<td>Exploring threatened Gentianaceae plants as a source of botanicals for nervous ailments</td>
</tr>
<tr>
<td>Agricultural &amp; Food Engineering Indian Institute of Technology ,Kharagpur</td>
<td></td>
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<tr>
<td>Dr. D. Chamundeswari</td>
<td>Scientific validation of ancient siddha formulations Sirupeelaisamulakudineer &amp; Nandukaalparpam in the treatment of renal calculi in zinc implantation model.</td>
</tr>
<tr>
<td>Faculty of Pharmacy Sri Ramachandra University,Chennai</td>
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<tr>
<td>Dr. Ashok Sharan</td>
<td>Synthesis of Natural Product Mimetic as Possible Antiviral Agent</td>
</tr>
<tr>
<td>Department of Applied Chemistry BIT - Mesra, Ranchi</td>
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<tr>
<td>Dr. Tuhin Kanti Biswas</td>
<td>Chemical and Pharmacological Evaluation for Wound Healing Activity of an Ayurvedic Formulation</td>
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<tr>
<td>J. B. Roy State Ayurvedic Medical College and Hospital,Kolkata</td>
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<tr>
<td>Dr. Pritam Bhattacharjee</td>
<td>Opportunities in medicinal plant research in Tripura</td>
</tr>
<tr>
<td>CEO, Medicinal Plants Board Tripura</td>
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<tr>
<td>01:30-02:45 pm</td>
<td>Lunch (Venue – University Guest House)</td>
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</tbody>
</table>
### Poster Presentation Session III: 10:00 am – 01:00 pm

<table>
<thead>
<tr>
<th>SECTION – A</th>
<th>Abstract Number</th>
</tr>
</thead>
</table>
| Dr. Pallab Kanti Halder, Assistant Professor, Jadavpur University, Kolkata  
Dr. Fakrul Islam Munshi, AFM Group Chairman, AP Group, Dacca | SFE/SNPS JU/66  
SFE/SNPS JU/111  
SFE/SNPS JU/118  
SFE/SNPS JU/60  
SFE/SNPS JU/78  
SFE/SNPS JU/189  
SFE/SNPS JU/134  
SFE/SNPS JU/113 |

<table>
<thead>
<tr>
<th>SECTION – B</th>
<th>Abstract Number</th>
</tr>
</thead>
</table>
| Dr. H.K. Chaursasia, Associate Professor, T.N.B College, Bhagalpur  
Dr. Manjoosha Srivastava, Scientist, NBRI, Lucknow | SFE/SNPS JU/69  
SFE/SNPS JU/85  
SFE/SNPS JU/86  
SFE/SNPS JU/62  
SFE/SNPS JU/78  
SFE/SNPS JU/187  
SFE/SNPS JU/135  
SFE/SNPS JU/139 |

<table>
<thead>
<tr>
<th>SECTION – C</th>
<th>Abstract Number</th>
</tr>
</thead>
</table>
| Dr. Souvik Haldar, Asst. Professor, Dept. of Chemistry, JU, Kolkata  
Dr. Subhas C Mandal, Associate Prof, Dept. of Pharm Tech, JU, Kolkata | SFE/SNPS JU/17  
SFE/SNPS JU/21  
SFE/SNPS JU/22  
SFE/SNPS JU/63  
SFE/SNPS JU/110  
SFE/SNPS JU/27  
SFE/SNPS JU/68  
SFE/SNPS JU/95 |

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<tr>
<th>SECTION – D</th>
<th>Abstract Number</th>
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</thead>
</table>
| Dr. Tapan Kumar Barman, Principal, NSHM College, Kolkata  
Dr. B S Ravikumar, AVK College for Women, Hasan, Karnataka | SFE/SNPS JU/107  
SFE/SNPS JU/98  
SFE/SNPS JU/90  
SFE/SNPS JU/129  
SFE/SNPS JU/50  
SFE/SNPS JU/97  
SFE/SNPS JU/109  
SFE/SNPS JU/100 |

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<tr>
<th>SECTION – E</th>
<th>Abstract Number</th>
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</thead>
</table>
| Dr. Samir Samanta, Associate Professor, CIPT, Uluberia, WB  
Dr. Debabrata Sarkar, Dy Director, ACHR, Kolkata  
Dr. T K Gopal, Asst Professor, Sri Ramachandra University, Chennai. | SFE/SNPS JU/112  
SFE/SNPS JU/116  
SFE/SNPS JU/142  
SFE/SNPS JU/143  
SFE/SNPS JU/131  
SFE/SNPS JU/112  
SFE/SNPS JU/124  
SFE/SNPS JU/128  
SFE/SNPS JU/138  
SFE/SNPS JU/144 |

### VALEDICTORY SESSION & PRIZE DISTRIBUTION: 03:00 -04:00 pm

“Dr. Manjushree Pal Memorial Award” for Best Poster Presentations  
“Dr. A K Nag Chaudhuri Memorial Award” for Best Oral Presentations

- **Swami Biswamayananda**, Secretary, Ramakrishna Mission Ashrama, Sargachi, Murshidabad  
- **Dr. P.K. Ghosh**, Registrar, Jadavpur University, Kolkata  
- **Prof. Asis Mazumder**, Co-chairman, Organizing Committee & Dean, FISLM, Jadavpur University, Kolkata  
- **Prof. Sivaji Bandyopadhyay**, Dean, FET, Jadavpur University, Kolkata  
- **Mr. G K Pattanayak**, Finance Officer, Jadavpur University, Kolkata  
- **Mr. Dipankar Chakraborty**, Vice President, Pharmacy Council of India, New Delhi  
- **Dr. Pratim Banerji**, President, Society for Ethnopharmacology, Kolkata  
- **Mr. Birendra Kumar Sarkar**, Managing Director & CEO, Parker Robinson Pvt. Ltd, Kolkata  
- **Dr. Tuhinadri Sen**, Joint Organizing Secretary, National Seminar, School of Natural Product Studies, Jadavpur University, Kolkata  
- **Dr. Debprasad Chattopadhyay**, Joint Organizing Secretary, Society for Ethnopharmacology, India.  
- **Dr. Pulok K Mukherjee**, Organizing Secretary, National Seminar, School of Natural Product Studies, Jadavpur University, Kolkata
Poster Presentation
Day 1: Saturday, November 29, 2014
SESSION I (11:00 am – 1:30 pm)

SECTION – A

SFE/SNPSJU/01 Hepatoprotective activity of *Caesalpinia pulcherrima* LINN. flower
Ankur Das Barma, Department of Pharmacognosy, Himalayan Pharmacy Institute, Majhitar, East Sikkim

SFE/SNPSJU/03 Bioefficacy of few plant extracts against *Fusarium oxysporum F.SP.PISI*
Jeetendra Kumar Rao, Dept. of Botany, Post Graduate College, Ravindrapuri, Ghazipur, U.P.

SFE/SNPSJU/06 Prospective role of darjeeling tea and temi tea in prevention of gastric cancer
Niladri Bag, Department of Horticulture, Sikkim University, 6th Mile, Tadong, Gangtok

SFE/SNPSJU/07 Diversity of unani medicinal plants in chamarajanagar wildlife division, karnataka
R. Murugeswaran, Regional Research Institute of Unani Medicine, Royapuram, Chennai, Tamil Nadu

SFE/SNPSJU/10 Ayush popularization 2014
Kamal Krishna Banik, Holy Health in Mission Organized By Banik Clinic Barasat Rural -1

SFE/SNPSJU/13 Medicinal usefulness of *Vitex negundo* Linn.
Suparna Rana, Department of Applied Science, Haldia Institute of Technology, Haldia, WB, India

SFE/SNPSJU/15 Antidiabetic potential of isolated compound of *Amaranthus spinosus* Linn. (Amaranthaceae).
Puspita Roy, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

SECTION – B

SFE/SNPSJU/16 Evaluation of analgesic activity of *Dahlia pinnata* Leaf extracts in swiss albino mice
Rishov Mukhopadhyay, Bengal Institute of Pharmaceutical Sciences, Kalyani, West Bengal, India

SFE/SNPSJU/19 Effect of solvent, temperature, pH and duration on extraction process of anti-thiamine factor present in *Ageratum conyzoides* Linn. leaves
Mrimoy Guria, North Bengal Medical College, Sushrutanagar

SFE/SNPSJU/20 In vivo anti-tussive activity and structural features of carbohydrate polymer from water extract of *Nyctanthes arbor-tristis* leaves
Kanika Ghosh, Natural Products Laboratory, Department of Chemistry, The University of Burdwan, West Bengal

SFE/SNPSJU/23 Role of medicinal plants for the treatment of diseases
Maheswar Prasad Sah, Department of Chemistry, S. M. College, Bhagalpur, Bihar

SFE/SNPSJU/24 Molecular docking study of expansin proteins present in fibers of medicinal plants *Calotropis procera*
Anamika Basu, Dept of Biochemistry, Gurudas College, Kolkata

SFE/SNPSJU/26 Pharmacognostic and Antioxidant studies of *Nyctanthes arbor-tristis* L. (Oleaceae) – an ethnomedicinal plant
Kumaresh Pal, Department of Botany, Visva-Bharati, Santiniketan

SFE/SNPSJU/114 Effect of β-Carotene on Arsenic induced toxicity in mice
Uma Kumari, Department of Pharmaceutical Technology, Jadavpur University, Kolkata
SECTION – C

SFE/SNPSJU/31 Present status and future of herbal medicine
Kalyan Kumar Rana, Department of Chemistry, Gushkara Mahavidyalaya, Gushkara, Burdwan, WB

SFE/SNPSJU/45 Implication of nutraceuticals as budding therapeutic mediator for colon cancer
Shamba Chatterjee, Department of Biotechnology, Haldia Institute of Technology, Haldia

SFE/SNPSJU/55 Antidepressant activity of Gmelina arborea extract and its saponin rich fraction
Yogesh A. Kulkarni, Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, Mumbai

SFE/SNPSJU/59 Nigella sativa protects rats against experimental myocardial necrosis by alleviating oxidative stress
AK. Najmi, Faculty of Pharmacy, Jamia Hamdard (Hamdard University), New Delhi

SFE/SNPSJU/64 Phospholipid complex of chrysin improved its nephroprotective activity by enhancing its bioavailability
Sauvik Bhattacharyya, NSHM College of Pharmaceutical Technology, Kolkata, W.B.

SFE/SNPSJU/102 Design expert supported optimization of microwave-assisted extraction of Ursolic acid from Lantana camara
Mujeeb M., Phytomedicine Lab, Dept. of Pharmacognosy and Phytochemistry, Jamia Hamdard, New Delhi

SECTION – D

SFE/SNPSJU/40 Evaluation of Antioxidant- and Antimicrobial- potentials of ethanolic extract of Termitomyces medius.
Payel Mitra, Department of Botany, Visva Bharati, Santiniketan

SFE/SNPSJU/44 Vincristine and vinblastine source and uses
Souradeep Bose, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

SFE/SNPSJU/70 Antiepileptic action of 1-Triacontanol cerotate isolated from Marselia quadrifolia Linn, against pentylentetrazole-induced kindling in rats: an EEG study
Snehunsu Adhikari, Department of Physiology, Kasturba Medical College

SFE/SNPSJU/74 A review on HIV/AIDS and related herbal drugs
Krishnendu Giri, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

SFE/SNPSJU/76 Identification of minor chemical compounds present in different fractions of methanol Extract of Mollugo pentaphylla Linn. by GC-MS
Partha Neyogi, School of Pharmaceutical Sciences, Siksha ‘O’ Anusandhan University, Bhubaneswar

SFE/SNPSJU/121 Study of disease prevalence in ayurvedic hospital of a metro city in India
Sandipan Ghosh, National Research Institute of Ayurvedic Drug Development, Bidhannagar, Kolkata

SECTION – E

SFE/SNPSJU/36 Application of surfactants in pharmaceuticals
Ishani Majumder, Department of Pharmaceutical Technology, Jadavpur University Kolkata-700032

SFE/SNPSJU/39 Nephroprotective and therapeutic potential of a traditionally used plant: Zingiber zerumbet.
Anindita Talukdar, Dept of Biotechnology, Gauhati University, Guwahati, Assam
Knowledge dissemination processes in research of ethno-medicinal plants: an empirical exploration from Paschim Medinipur of West Bengal
Sudip Bhui, Dept. of Anthropology and Tribal Studies, Sidho-Kanho-Birsha University, Purulia W.B.

Nanovesicular drug delivery system for the treatment of cancer
Kaustav Pramanik, NSHM College of Pharmaceutical Technology, Kolkata, W.B.

Ethnopharmacological study of Jangalmahal part of West Bengal
Arghya Mukherjee, Senior Ayurvedic Medical Officer, Government of West Bengal

Estrogenic potential of *Flemingia vestita* tubers: An endemic plant of Northeast India
Archana Matani, Herbal Research Lab, Ramnarain Ruia College, Matunga, Mumbai, Maharashtra

Day-1: November 29, 2014
Session-II (02:30 pm – 06:00 pm)

SECTION – A

Combination of paclitaxel and different platinum compounds in treatment of ovarian carcinoma
Dipanjan Pandit, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

Variation in andrographolide content in different agro-climatic conditions
Rita Paul, Department of Botany, Charuchandra College, 22- Lake Road, Kolkata

Status and distribution of ASTAVARGA group of medicinal plants in Uttarakhand Himalaya
Kshirod K. Ratha, National Research Institute of Ayurvedic Drug Development, CCRAS, Bidhannagar, Kolkata

Enhancing transdermal delivery of catechin via nanoemulsion based novel delivery system
Ranjit K. Harwansh, School of Natural Product Studies, Dept. of Pharm. Tech., Jadavpur University, Kolkata

Evaluation of the proliferative activity of alcoholic extract of *Veteveria zizanioides* Linn. in human peripheral blood mononuclear cells
Sapna Biswas, School of Science, SVKM’S NMIMS (Deemed-to-be) University, Vileparle, Mumbai

A Hope for Indigenous Medicine for Visceral Leishmaniasis by Indian Herbs
S Narayan, Rajendra Memorial Research Institute of Medical Sciences, (ICMR) Patna-7

Synthesis of octahydro-benzo[d]imidazole analogs using natural product mimetic approach as possible anti-HSV agent
Harapriya Chakravarty, Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India

Morphometric analysis of Datura plant to understand variation and similarities among four major species
Nandini Dholepat, Research and Development Centre, Bharatiar University, Coimbatore, India

SECTION – B

*In vitro* shoot multiplication and study of antimicrobial properties of *Flacourtia indica* (Burm.f.) Merr.
Mousumi Chatterjee, Department of Biotechnology, Burdwan University, Burdwan, West Bengal

Mangiferin analogues as cytochrome P450 inhibitor
Sayantan Pradhan, Dept. of Chemistry, Inorganic Chemistry Section, Jadavpur University, Kolkata
SFE/SNPSJU/92 Evaluation of antioxidant and wound healing potential of \textit{Mimuso pselengi} L. flowers 
Deepti Gurjar, Herbal Research Lab, Ramnarain Ruia College, Matunga, Mumbai

SFE/SNPSJU/99 Phenolics and flavonoids accumulation in basella species 
B. Ramesh Kumar, Plant Metabolic Pathway Laboratory, IIT Kharagpur

SFE/SNPSJU/103 Muclages as additives and cytoprotective in pharmaceutical formulation: A review 
Moumita Chowdhury, Guru Nanak Institute of Pharmaceutical Science and Technology, Kolkata

SFE/SNPSJU/104 Evaluation of wound healing activity of the methanolic root extract of \textit{Buchanania lanzan} Spreng. 
Pritam Saha, Division of Pharmacology, Dept. of Pharm. Tech., Jadavpur University, Kolkata

SFE/SNPSJU/132 Some Unani drugs used in the treatment of Qillat-e Laban (Deficient lactation) - An overview 
Ahmad Sayeed, CCRUM New Delhi

SFE/SNPSJU/141 Inhibition potential of \textit{Pterocarpus marsupium} and its phytoconstituent pterostilbene on two key CYP isoforms 
SK Milan Ahmmed, School of Natural Product Studies, Jadavpur University, Kolkata

SECTION – C

SFE/SNPSJU/54 Daidzein isolated from \textit{Pueraria tuberosa} root prevents fatty acid induced inhibition of insulin sensitivity in L6 myotubes 
Anindita Biswas, A.U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam, A.P

SFE/SNPSJU/71 90 Days repeated dose oral toxicity study of safed musli (\textit{Chlorophytum arundinaceum}) extract in Wistar rats 
P. S. Jamadagni, National Research Institute of Ayurvedic Drug Development, CCRAS, Bidhannagar, Kolkata

SFE/SNPSJU/93 Simultaneous quantification of pharmacologically active markers quercetin, kaempferol, bergenine and gallic acid from \textit{Cuscuta campestris} Yuncker using HPTLC 
Dipti Singh, Herbal Research Laboratory, Ramnarain Ruia College, Matunga (E), Mumbai

SFE/SNPSJU/105 Comparative study of natural mucoadhesives used in the formulation of micro beads / microspheres 
Priyanka Ray, Guru Nanak Institute Of Pharmaceutical Sciences and Technology, Sodepur, Kolkata

SFE/SNPSJU/106 Significance and media optimization for \textit{Dendrobium densiflorum} Lindl. Ex wall. 
Ranju Tamang, Post Graduate Department of Botany, Darjeeling Government College, Darjeeling

SFE/SNPSJU/119 Effective attenuation of Methotrexate-induced oxidative damage by an ethanolic extract of \textit{Piper betle} leaf 
Soumita Dey, School of Natural Product Studies, Jadavpur University, Kolkata

SFE/SNPSJU/123 An insight on the xanthone biosynthesis in \textit{Hoppea fastigiata} 
Utkarsh Ravindra Moon, Natural Product Biotechnology Group, Agricultural and Food Engineering Department Indian Institute of Technology Kharagpur

SFE/SNPSJU/133 Evaluation of antioxidant properties of \textit{Phlogacanthus thyrsiflorus} Nees 
Neelesh Nandan, Department of Bioengineering, BIT, Mesra, Ranchi, Jharkhand
SECTION – D

SFE/SNPSJU/29 Study of callus induction and antimicrobial activity of *Hemidesmus indicus* R. Br. Aparna Banerjee, Department of Biotechnology, The University of Burdwan, Golapbag, Bardhaman

SFE/SNPSJU/34 Phytochemical & pharmacognostical standardization of *Coccinia grandis* leaf—a potent antidiabetic herbal option Monojit Debnath, Bengal Institute of Pharmaceutical Sciences, Kalyani, Nadia

SFE/SNPSJU/43 Cytogenetical and biochemical studies in two different cultivars of *Withania somnifera* (L.) Dun. Mohsina Iqbal, Department of Botany, New Alipore College, Kolkata, W.B, India

SFE/SNPSJU/47 In vivo antitumor effects of methanolic bark extract of *Shorea assamica* Dyer on dalton’s lymphoma ascites-induced mice Merina Narah, Dept. Of Zoology, Gauhati University, Guwahati, Assam

SFE/SNPSJU/81 Antibacterial potentiality of crude extracts of roots of *Ashwagandha* against *Staphylococcus aureus* and *Escherichia coli* Dharitree Majumdar Acharya, Dept. of Bioscience and Biotechnology, Fakir Mohan University, Odissa

SFE/SNPSJU/120 Antigenotoxic and antioxidant activities of ethanolic extract of *Zingiber officinale* Rosc. rhizome Anish Nag, CAS, Dept. of Botany, University of Calcutta, Ballygunge, Kolkata, West Bengal

SFE/SNPSJU/125 In vitro antioxidant capacity of floral extracts of tuberose (*Polianthes tuberosa* L.) Saboni Maji, Natural Product Biotech. Group, Agricultural and Food Engineering Department, IIT, Kharagpur

SECTION – E

SFE/SNPSJU/09 Pharmacopoeial Studies of Jawarish-e-KafoorQawi Rampratap Meena, Drug Standardisation Research Institute of Unani Medicine, Ghaziabad

SFE/SNPSJU/42 Medicinal plants in treatment of cancer Saswata Acharya, Department of Pharm. Tech., Jadavpur University, Kolkata

SFE/SNPSJU/48 Treatment of hepatocellular carcinoma through plant derived bio-molecule capsaiacin Payel Mukherjee, NSHM College of Pharmaceutical Technology, Kolkata

SFE/SNPSJU/49 Selection of natural oils in the development of self emulsifying drug delivery system (SEDDS) with Prochlorperazine Maleate as the model drug Manoj Bhattarai, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim

SFE/SNPSJU/67 Simultaneous estimation of lapachol and apigenin in Stereospermum suaveolens bark by using RP-HPLC method Joydeb Chanda, School of Natural Product Studies, Jadavpur University, Kolkata

SFE/SNPSJU/82 Using phenotyping tools for identification and characterization of potential medicinal rice (*Oryza sativa* L.) landraces of West Bengal: an opportunity to use genotyping tools for discovery of the curative genes Mitu De, Department of Botany, Gurudas College, Kolkata

SFE/SNPSJU/122 Observational study in geriatric preventive care in an ayurvedic speciality clinic Arvind Kumar Gupta, National Research Institute of Ayurvedic Drug Development, Bidhannagar, Kolkata

SFE/SNPSJU/126 A comparative assessment of antioxidant and acetylcholinesterase inhibitory activities of wild plants and in vitro cultures of *Enicostemma littorale* Nitin K. Gaikwad, Natural Product Biotech. Group, Agricultural and Food Engineering Dept., IIT, Kharagpur
### Day 2: Sunday, November 30, 2014  
**Session III (10:00 am – 1:00 pm)**

#### SECTION – A

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFE/SNPS JU/66</td>
<td>Benefits of treated agar &amp; <em>Hibiscus rosasinensis</em> lin in case ofomotidine fast disintegrating tablets</td>
<td>Subhayan Chakraborty, Department of Pharmaceutics, Himalayan Pharmacy Institute, East Sikkim</td>
</tr>
<tr>
<td>SFE/SNPSJU/111</td>
<td>Protective activity of <em>Citrus hystrix</em> fruit peel against arsenic induced sub acute toxicity</td>
<td>Sriparna Kundusen, Guru Nanak Institute of Pharmaceutical Science and Technology, Sodepur, Kolkata</td>
</tr>
<tr>
<td>SFE/SNPSJU/118</td>
<td>Clinical Evaluation of Coded Drugs Unim-304 &amp; Unim-312 Along with munizij (unim-308), Mushil (unim309) and tabreed (unim-310) therapy with cupping in the cases of rheumatoid arthritis (wajaulmfasil)</td>
<td>Shamsul Arfeen, Central Research Institute of Unani Medicine, Lucknow</td>
</tr>
<tr>
<td>SFE/SNPS JU/60</td>
<td>A comprehensive approach for evaluation of quality of herb using pharmacognosy, thin layer chromatography and high performance liquid Chromatography- A case study with Pippali and Kaunch Beej</td>
<td>Amalesh Nanda, R&amp;D Healthcare Division, Emami Ltd., Belghoria, Kolkata</td>
</tr>
<tr>
<td>SFE/SNPS JU/78</td>
<td>Anti-Proliferative activity of <em>Heliotropium dicumon</em> three cervical cancer cell lines, hela, siha and C33A.</td>
<td>Subhabrata Paul, Centre of Advanced study, Department of Botany, University of Calcutta</td>
</tr>
<tr>
<td>SFE/SNPS JU/80</td>
<td>Evaluation of anti-inflammatory and antinociceptive properties of <em>I. siceraria</em> aerial parts</td>
<td>Prerona Saha, Department of Pharmaceutical Technology, Jadavpur University, Kolkata, India</td>
</tr>
<tr>
<td>SFE/SNPSJU/108</td>
<td>Evaluation of wound healing activity of <em>Ayapana triplinervis</em> Vahl eaf extracts in-vivo</td>
<td>Sayan Biswas, School of Natural Product Studies, Jadavpur University, Kolkata</td>
</tr>
<tr>
<td>SFE/SNPSJU/134</td>
<td>An overview on authentication and standardization of crude drugs as well as ayurvedic formulations</td>
<td>S. Dutta, National Research Institute for Ayurvedic Drug Development, CCRAS, Kolkata</td>
</tr>
<tr>
<td>SFE/SNPSJU/113</td>
<td>Standardization of bhuvnesvara vati- An ayurvedic formulation</td>
<td>Suryaprakash Gupta, Department of Pharmacy, Shri Venkateshwarara University, Gajraula, UP</td>
</tr>
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#### SECTION-B

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SFE/SNPS JU/69</td>
<td>Anti-diabetic and in-vivo antioxidant potential of tupistranutans</td>
<td>Angila Theengh, Himalayan Pharmacy Institute, Majhitar, East Sikkim</td>
</tr>
<tr>
<td>SFE/SNPS JU/85</td>
<td>Dissolution study of branded and generic rosuvastatin calcium tablets for assessing dissolution efficiency &amp; interchangability</td>
<td>Debaditya Saha, NSHM College of Pharmaceutical Technology, Kolkata</td>
</tr>
<tr>
<td>SFE/SNPS JU/86</td>
<td>Antioxidant, immunostimulatory and DNA protecting ability of <em>Withania somnifera</em> against γ-irradiation induced oxidative stress</td>
<td>Amit Kumar Dixit, School of Biochemistry, Devi Ahilya University, Khandwa Road, Indore, India</td>
</tr>
</tbody>
</table>
TLC fingerprinting: quality control parameters in the standardization of herbal raw materials
Jayeeeta Paul, R&D Healthcare Division, Emami Ltd., Belghoria, Kolkata

Antimicrobial activity of Indian medicinal plants on multi drug resistant bacteria
Tamalika Hakraborty, Gurunanak Institute of Pharmaceutical Science and Technology

Comparison of disintegration time and dissolution rate of amloidine besylate fast dissolving tablets using Plantago ovata mucilage and guar gum
Surojit Das, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim

Phytochemical investigation and evaluation of anthelmintic activities of V. negundo leaf extract
Sibram Paria, NSHM College of Pharmaceutical Technology, W. B., Kolkata, India

A review on drug interaction: a burning problem
Rania Indu, Department of Pharmacology, R. G. Kar Medical College, Kolkata

Transcriptional analysis of PAL gene and quantification of eugenol
Rahul Kumar Yadav, Birla Institute of Technology, Meshra

Isolation and characterization of phytoconstituents of roots of Amaranthus spinosus linn.
Tanmoy Guria, Department of Pharmaceutical Technology, Jadavpur University, Kolkata

Protection against oxidative stress by water-extracted carbohydrate polymer from a Agle marmelos fruit gum and its interaction with BSA
Kaushik Bera, Natural Products Laboratory, Depart. of Chemistry, University of Burdwan, W.B., India

Anti-HCMV activity of chemically engineered sulfated rice bran glucans at the stage of viral entry
Washim Raja, Natural Products Laboratory, Depart. of Chemistry, University of Burdwan, W.B., India

Identification of adulterants by pharmacognostical evaluation: Tvak (Cinnamomum zeylanicum) and Naluka (Cinnamomum cassia)
Nirankush Paul, R&D Healthcare Division, Emami Ltd., Belghoria, Kolkata

Pharmacognostic and phytochemical screening of Cyanotis tuberose (roxb.) - a less known ethnomedicinal plant from laterite zone of west bengal, india
Partha Ghosh, Department of Botany, Visva-Bharati, Santiniketan, India

Some common medicinal plants of angiosperm in west bengal with potential ethno-botanical uses
Aditi Saha, Narasinha Dutt College, Howrah

A validated RP-HPLC method for quantitation of Swertiamarin from Swertia densifolia (Griscb) Kashyap
Kanchana Gandhi, Herbal Research Laboratory Ramnarain Ruia College, Mumbai

Comparative analysis of analgesia with different extracts of flesh of fresh water Mollusc
Sangita Bhattacharya, Department of Pharmacology, R.G. Kar Medical College, Kolkata

Evaluation of Antioxidant activity of Clitoria ternatea ethanolic leaves extract
Rupam Saha, Gurunank Institute of Pharmaceutical Science & Technology, Kolkata

Medicinal plants as a source of antiulcer remedies
Anunanjita Kundu, Guru Nanak Institute of Pharmaceutical Science and Technology
SFE/SNPS JU/90 Pharmacognostic and phytochemical evaluation of Leaves of *Rhododendron arboreum* and *Salmaliamalabarica*
Anjali Lade, Herbal Research Lab, RamnarainRuia College, Matunga, Mumbai Maharashtra

SFE/SNPS JU/129 Evaluation of Antiviral activity of the standardized extract of *Butea monosperma* against HSV-1
Debayan Goswami, School of Natural Product Studies, Jadavpur University, Kolkata

SFE/SNPS JU/97 Antidiabetic activity of fruits from some medicinal plants of rutaceae and cucurbitaceae family: a review
Abir Koley, Guru Nanak Institute Of Pharmaceutical Sciences and Technology, Sodepur, Kolkata

SFE/SNPS JU/109 To formulate transdermal patches of Losartan Potassium and a comparative study of natural oils (Jojoba oil, Sunflower oil, Sesame oil, Clove oil, Peppermint oil, Eucalyptus oil) as Penetration enhancers
Subhamoy Bhowmik, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim

SFE/SNPS JU/100 Assessment of antioxidant properties of elite plants from hills of Manipur claimed to possess medicinal properties
Dhanaraj S.Thokchom, Orchid Research and Development centre, FEEDS-KVK Sylvan, Hengburg, Manipur

SFE/SNPS JU/137 Preliminary In-vivo Anti-inflamatory Activity of the Ethanolic Extract of the Leaves of *Rhizophora mucronata* L., A Sunderban Mangrove
Mounita Ray, Department of Pharmacology, R.G. Kar Medical College, Kolkata. West Bengal, India

SFE/SNPS JU/05 Antimicrobial and Antioxidant activity of leaf extracts of two indigenous angiosperm species of Tripura
Sunrit Basu Sarbadhikary, Department of Botany, Visva-Bharati, Santiniketan, West Bengal, India

SFE/SNPS JU/112 Different in-vivi and in-vitro models for hypolipidemia
Sumana Roy, Guru Nanak Institute of pharmaceutical Sciences and Technology. Sodepore

SFE/SNPS JU/116 Exploration of Unani Medicinal Plants in the state of Jammu & Kashmir
Aminuddin, Regional Research Institute of Unani Medicine, University of Kashmir, Srinagar

SFE/SNPS JU/142 Bio-piracy and Unani Classical Knowledge
Usama Akram, Research Officer. Central Council for Research in Unani Medicine, New Delhi

SFE/SNPS JU/143 Evaluation of hepatoprotective activity of leaves of *Syzygium samarangense*
Sanchari Goswami, Department of pharmacy, Tripura University, Suryamaninagar Agartala Tripura

SFE/SNPS JU/117 Effect of Unani coded drug UNIM- 855 on tooth hypersensitivity- A clinical study
M. Nafees Khan, King George Medical University, Lucknow

SFE/SNPS JU/124 In vitro acetylcholinesterase inhibitory activity of tea components
Tanmoy Samanta, Natural Product Biotech. Group, Agricultural and Food Eng. Dept. IIT, Kharagpur

SFE/SNPS JU/138 Leaf and its Use as Medicine: A Review
Mithun Mukherjee, Ramakrishna Vivekananda Mission Institute of Advanced Studies, W.B.

SFE/SNPS JU/128 Tyrosinase inhibitory potential of purpurin in *Rubia cordifolia* - A Bioactivity guided Approach
Rajarshi Biswas, School of Natural Product Studies, Jadavpur University, Kolkata

SFE/SNPS JU/131 Synthesis and biological evaluation 5-n-substituted-2-(substituted naphthalene sulphonyl) l (+) glutamine analogs as possible anticancer agents
Amiyangshu De, Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata

SFE/SNPS JU/144 Screening of antioxidant and immunomodulatory activity of *Coccinia grandis* (l.) voigt leaves
Manoj Kumar Dalai, Royal college of pharmacy, Raipur, Chhattisgarh