

Women in Sciences and Engineering (Oct. 19-20, 2019)

| Time                 | Theme  | Speaker   | Affiliation         | Title  |
|----------------------|--|---|---------------------|--|
| <b>Oct. 19, 2019</b> |  |   |                     |  |
| 9:00 am              | Inauguration                                       | Prof. Karandikar/ Dr. Mamta Vyas/ Prof. K. Muralidhar INAE/ Plenary Speaker/ Prof. Bushra |                     | Inauguration   |
| 9:15-9:25            | <b>VIDEO MESSAGE</b>                               |   |                     |  |
| 9:25-9:35            | <b>Group Photo (PBCEC Foyer/ Outside area)</b>     |   |                     |  |
| 9:35- 10:15 am       | <b>PLENARY TALK</b>                                | <b>Dr. Asha Agarwal</b>   | Head, Pathology Lab | Early Diagnostics/ How to Set up Laboratory  |
| 10:15-11:30 am       | <b>Electrical/Electronics</b>                      | <b>Dr. Monica Katiyar</b>   | IIT Kanpur          | Organic Light Emitting Diodes: Lighting and Display Applications   |
|                      |  | <b>Dr. Nandini Gupta</b>  | IIT Kanpur          |  |
| 11:30-11:45 am       | <b>TEA BREAK</b>                                   |   |                     |  |
| 11:45 – 1:00 pm      | <b>Materials</b>                                   | <b>Emila Panda</b>  | IIT G'nagar         | Optoelectronic materials: Tunable Electronic structure and Optoelectronic properties through Microstructure modulation |
|                      |  | <b>Dr. Rekha Verma</b>  | IIIT Allahabad      | First Principles based Investigation of Structural, Vibrational and Thermodynamic Properties in Solids                 |
| 1-2 pm               | <b>LUNCH</b>                                       |   |                     |  |
| 2-3:15 pm            | <b>Advanced Materials &amp; Properties</b>         | <b>Dr. Prita Pant</b>   | IIT Bombay          | Material Properties at Nanoscale   |
|                      |  | <b>Dr. Ambreen Nisar</b>  | IIT Kanpur          | High Temperature Materials for Aerospace Applications  |
| 3:15-3:30 pm         | <b>TEA BREAK</b>                                   |   |                     |  |
| 3:30-5:05 pm         | <b>Energy/ Environment</b>                         | <b>Dr. Pratibha Sharma</b>  | IIT Bombay          | Hydrogen Energy as Fuel for Future   |
|                      |  | <b>Dr. Kavita Verma</b>   | JNTU, H'bad         | Remediation of Wastewater and Recovery of Byproducts   |
|                      |  | <b>Dr. Alka Gupta</b>   | UIET, CSJM          | Green and Clean Revolution with Hydrogen and Fuel Cell   |
| 5:05 – 5:20 pm       | <b>TEA BREAK</b>                                   |   |                     |  |
| 5:20-6:00 pm         | <b>Sciences</b>                                    | <b>Dr. Mohua Banerjee</b>   | IIT Kanpur          | Imprecision, Reasoning and Rough Set Theory  |
| 6:00- 7:00 pm        | <b>PANEL DISCUSSION</b>                            | Prof. M. Katiyar, Dr. Emila Panda, Dr. Pratibha, Prita Pant + Ms. Apoorva                 |                     | <b>Opportunities &amp; Challenges for Women in Sciences and Engineering</b> [Moderator: Prof. Bushra]                  |
| 8 pm-9:15 pm         | <b>DINNER (New Dining Hall of Visitors Hostel)</b> |   |                     |  |

| Oct. 20, 2019     |  |   |                                  |   |
|-------------------|--|---|----------------------------------|---|
| 9:00-9:40 am      | <b>PLENARY</b>                                 | <b>Dr. Anuradha Godavarty</b>   | Florida International University | Research Patent & Diagnostic/Imaging (Skype)  |
| 9:45-10:30 am     | <b>Leadership</b>                              | <b>Dr. Arpita Amarnani</b>  | Goa Institute of Management      | Leadership & Women Empowerment  |
| 10:30-10:45 am    | <b>TEA</b>                                     |   |                                  |   |
| 10:45am- 12:20 pm | <b>Biomaterials</b>                            | <b>Dr. Bushra Ateeq</b>   | IIT Kanpur                       | Cancer Diagnostics  |
|                   |  | <b>Dr. Neetu</b>  | IIT Delhi                        | Probes for Cellular Microenvironment Sensing: Detecting and Monitoring Disease Progression    |
|                   |  | <b>Dr. Ranjita G. Moulick</b>   | JNU, New Delhi                   | Nanoparticles by Electro Explosion of Wire Technique for Immunosensing Application            |
| 12:20-1:00pm      | <b>Sociology</b>                               | <b>Dr. Koumudi</b>  | IIT Kanpur                       | Contextual Engineering: Examining the nature of design and technology in developing economies |
| 1:00 – 1:10       | <b>Group Photo (PBCEC Foyer/ Outside area)</b> |   |                                  |   |
| 1:10-2 pm         | <b>LUNCH</b>                                   |   |                                  |   |
| 2-3:15 pm         | <b>Biomedical</b>                              | <b>Dr. Archana</b>  | AIIMS, Delhi                     | Antiatherogenic functions of HDL are impaired in subjects with myocardial infarction.         |
|                   |  | <b>Dr. Farukh Arjmand</b>   | AMU Aligarh                      | Design and Synthesis of tailored antitumor RNA targeted metallo-drug entities                 |
| 3:15 – 3:35       | <b>Virtual Labs</b>                            | <b>Dr. Aparna Dixit</b>   | PSIT                             | Virtual Labs  |
| 3:35 - 3:50 pm    | <b>TEA</b>                                     |   |                                  |   |
| 3:50-5:25 pm      | <b>Agriculture</b>                             | <b>Dr. Sindhumole</b>   | KAU, Kerala                      | Marker assisted breeding for developing climate smart rice varieties                          |
|                   |  | <b>Dr. Shweta</b>   | CSA Agri. Uni.                   | Plant genetic resources under climate change scenario   |
|                   |  | <b>Dr. Renu</b>   | NBAIM, U.P.                      | Microbes for mitigation of heavy metal stress in crops  |
| 5:25-5:35 pm      | <b>TEA</b>                                     |   |                                  |   |
| 5:35 - 6:10 pm    | <b>Sociology/HSS</b>                           | Dr. Chaitra   | IIT Kanpur                       | Why is it imperative to preserve linguistic diversity?  |
| 6:10 - 7:00 pm    | <b>PANEL DISCUSSION</b>                        | Ms. Aditi Kumar (Biotech, Incubation Centre), Dr. Neetu Singh, IITD, Dr. Arpita, Dr. Koumudi (list to be confirmed) |                                  | <b>Innovation and Entrepreneurship</b><br>[Moderator: Prof. Mini Chandran]                    |