

# National Academia-Industry Workshop on Mechanochemistry for Sustainable Synthesis (NWMSS)

3<sup>rd</sup> November 2026 | Venue: DLT-9 BITS Pilani, KK Birla Goa Campus.

## Program Schedule

| Time              | Duration (min) |              |
|-------------------|----------------|--------------|
| 09:00 am-10:00 am | 60             | Registration |

### SESSION 1 | Chairperson: Prof Santosh G. Tilve

| Time              | Duration (min) | Speaker                                                       |                                                                                         |
|-------------------|----------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 10:00 am-10:20 am | 20             | Inauguration function                                         |                                                                                         |
| 10:20 am-11:00 am | 40             | Prof. Andrea Porcheddu<br>(The University of Cagliari, Italy) | <b>Keynote Talk:</b> Mechanochemistry-A New Toolbox for Sustainable Chemical Innovation |
| 11:00 am-11:15 am | 15             | Tea Break and Group Photo                                     |                                                                                         |

### SESSION 2 | Chairs: Prof S. D. Manjare and Prof P. Bhavana

| Time              | Duration (min) | Speaker                                        |                                                                                                                                            |
|-------------------|----------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 11:20 am-11:40 am | 18+2           | Prof. Vidya Desai<br>(DMC college Goa)         | <b>Invited Talk 1:</b> Sustainable Synthesis of Enzyme Inhibitors: A Green Protocol                                                        |
| 11:40 am-12:00 pm | 18+2           | Prof. Mainak Banerjee<br>(BITS Goa)            | <b>Invited Talk 2:</b> Homogenizer: A Tool for High-throughput Mechanosynthesis                                                            |
| 12:00 pm-12:20 pm | 18+2           | Dr. Prasantha Kamath<br>(Syngenta Biosciences) | <b>Invited Talk 3:</b> Safe Practices in Mechanochemical Synthesis                                                                         |
| 12:20 pm-12:40 pm | 18+2           | Prof. Ashim Nandi<br>(IIT Goa)                 | <b>Invited Talk 4:</b> From Chemical Reactivity to Drug Design: Mechanistic Insights into Covalent Inhibition                              |
| 12:40 pm-1:00 pm  | 18+2           | Prof. Hari Kadam<br>(Goa University)           | <b>Invited Talk 5:</b> Sustainable Synthesis of Isoxazolines, Pyranopyrazoles, and Coumarin-pyrimidinediones in Eco-Friendly Aqueous Media |
| 1:00 pm-1:30 pm   | 30             | <b>Industry-Academia Panel Discussion:</b>     | Sustainable Synthesis and Mechanochemistry                                                                                                 |
| 1:30 pm-14:30 pm  | 60             | Lunch                                          |                                                                                                                                            |

### SESSION 3 |Resource Person: Joy Dasan

| Time              | Duration (min) |                                    |
|-------------------|----------------|------------------------------------|
| 14:30 pm-16:00 pm | 30             | Hands-on Workshop on Milling Tools |

### SESSION 4 | Poster Session

| Time              | Duration (min) |                |
|-------------------|----------------|----------------|
| 16:00 pm-17:00 pm | 60             | Poster Session |
| 17:00 pm-17:15 pm | 15             | Tea Break      |

### SESSION 4 | Conclusion

| Time              | Duration (min) |                      |
|-------------------|----------------|----------------------|
| 17:15 pm-17:30 pm | 30             | Valedictory Function |

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