

ONGOING COLLABORATIONS

Research Collaboration

1. Dr. Willmar Schwabe India Pvt. Ltd.

- Received two industry projects from Dr. Willmar Schwabe India Pvt. Ltd. entitled, “Safety and Efficacy of standardized extract of Boswellia serrata in animal model” and “Safety and Efficacy of Polyherbal Formulation in Urinary Tract Infection in Vivo”.

2. Indo-German Collaboration

- Jointly submitted a project entitled, “Investigating Waste Derived Biopolymers as Edible Coatings Materials for Sustainable Active Packaging Applications” to IGSTC. The collaborator details are as follows:
 - Sanjeev Singhla, POLYPLASTICS INDUSTRIES (I) PVT. LTD, Yamuna Nagar, Haryana.
 - Dr. Arash Moeini, Chair of Brewing and Beverage Technology, School of Life Sciences Weihenstephan, Technical University of Munich
 - Prof. Dr. Valentin Cepas, Polymer Service GmbH Merseburg (PSM), Merseburg.

3. ECO Green Industries

- Submitted a project along with Mr. Amit Jain, CEO, ECO Green Industries entitled, “Technology Development for Conversion of Non-recyclable Waste into improved Value-added Products” under The Strategic Alliances Division of the Office of PSA.

Note: The Project is selected and featured on Manthan Site under SDG Goals. The proposal is shown in the category of

Innovation (Work in Progress Proposal Category) under SDG Goal Number 12 of Responsible Consumption and Production. Talks are going on with Invest India who will be the funding agency for this project in the future as Axis Bank had already selected Five Projects for funding.

4. Collaboration with Sodhani Biotech Pvt. Ltd., Jaipur

- Research Collaboration for a Consultancy Project on Natural Dyes entitled, "Natural Dyes, Raw and Extract Quality Evaluation and Extraction Purity Process Optimization".

5. Collaboration with Dharma Life Foundation

- Research Collaboration for a Consultancy Project on Natural Dyes entitled, "Natural Dyeing, painting & printing processes for promoting Sustainability in traditional art forms".

6. Dr. Ali Khademhosseini, CEO and Director, Terasaki Institute for Biomedical Innovation, Los Angeles, California, USA

- Jointly submitted a Project entitled, "Preparation and evaluation of redox sensitive novel Rucaparib conjugates for enhanced bioavailability and selectivity in BRCA mutant ovarian cancer" submitted under SERB-SIRE, scheme of SERB for short time research visit under the mentorship of Dr. Ali Khademhosseini.

7. Professor Dr. Rajashree Panigrahy (MBBS, MD), Director, SUM Central Lab, IMS & SUM Hospital, SOA University, Kalinga Nagar, Bhubaneswar, Odisha

- Under this collaboration, twenty novel synthesized compounds are dispatched to Prof. Dr. Rajashree, which will be tested against clinically isolated bacterial and fungal strains.

8. Dr. Murugesan Sankaranarayanan, Department of Pharmacy, Birla

Institute of Technology & Science Pilani, Pilani Campus, Pilani-333031. Rajasthan, India

- Research collaboration with Dr. S. Murugesan and group is in progress and jointly published research and review papers under this collaboration.

9. **Dr. Joazaizulfazli Jamalis from Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia**, 81310 Johor Bahru, Johor, Malaysia

- Collaboration for joint research publications and joint research projects

10. **Dr. Saurabh Sharma from School of Health Sciences, University of Petroleum and Energy Studies**, Bidholi via Premnagar, Dehradun, India.

- Collaboration for Anticancer Testing and joint publications.

11. **Dr. Gautam Singhvi, Department of Pharmacy, Birla Institute of Technology & Science Pilani**, Pilani Campus, Pilani-333031. Rajasthan, India

- Collaboration for joint research publications and joint research projects.

12. **Dr. Richie Rashmin Bhandare, College of Pharmacy and Health Sciences**, Ajman University, UAE

13. **ASEAN-India Collaboration**

- Collaboration for joint research project. The list of collaborators are as follows:

1. **Chulabhorn Royal Academy, Laksi, Bangkok, Thailand:** Dr. Prasat Kittakoo and Dr. Anuchit Phanumartwiwath
2. **University Teknologi Malaysia:** Dr. Joazaizulfazli Jamalis

and Dr. Syazwani ITRI AMRAN.

14. **Prof. Hector R Rangel, Laboratorio de Virología Molecular, Centro de Microbiología y Biología Celular, Instituto Venezolano de Investigaciones Científicas, Caracas, Venezuela**
 - for screening of novel compounds against HIV-1 RT and SARS CoV-2.
15. **Dr. Christophe Pannecouque, Rega Institute for Medical Research, Laboratory of Virology and Chemotherapy, K.U. Leuven, Herestraat 49 Postbus 1043 (09.A097), B-3000 Leuven, Belgium**
 - for screening of novel compounds against HIV-1 RT.
16. **Ebrilive Healthcare Pvt Ltd, KRIBS-Bionest KINFRA HI-Tech Park, HMT Colony, post, Kalamassery, Kochi, Kerala**
 - Collaboration is established with Ebrilive Healthcare Pvt Ltd, we received one consultancy project in August 2020 and one sponsored research project is sanctioned by the company in the month of June 2021 and completed in 2021, while second project of 2 Lakhs started in January 2022.
17. **Crenza Pharmaceuticals Pvt Ltd, A-27P, APIE, IDA, Balanagar, Hyderabad, Telangana**
 - Collaboration is ongoing with Crenza Pharmaceuticals Pvt Ltd, a consultancy project was sanctioned from the company in 2020. Two provisional patents were jointly filed with Crenza Pharmaceuticals Pvt Ltd.
18. **Dr. VALDIR FLORÊNCIO DA VEIGA JUNIOR, Associate Professor, Instituto Militar de Engenharia (IME), Brazil**
 - Collaboration for joint research publication, book chapters and joint research projects. Paper publication for the Journal

Molecules and Book Chapter for CABI publication.

19. **DR. MICHAEL ZVIELY, Flavours, Fragrances – Strategy & Technology Planning, CIC Group, Haifa, Israel, Zhejiang, China, Chennai, India, Okayama and Japan**

- Collaboration for joint workshops, projects and Ph.D. program.

20. **All India Institute of Ayurveda (AIIA)**

- Collaboration for Joint Research, Projects, Publications and Ph.D. One project entitled, “Evaluation and comparative analysis of Vitex agnus-castus Linn. with Vitex negundo Linn. leaf extracts and their analgesic, anti-inflammatory activity in experimental models along with comparative clinical efficacy of its topical applications (oil & biopatch) in knee osteoarthritis” is in pipeline with AIIA and ROSENBERG (Germany).

21. **Indo-UK Collaboration**

- Collaboration with DR JOSE PRIETO GARCIA, Associate Professor, Natural Products (Phytochemistry), Liverpool John Moores University. This collaboration will be done for joint project on leads for drug discovery from medicinal plants.

22. **Indo-Thailand Collaboration**

- Collaboration with ASSIST. PROF. DR. WARINTHORN CHAVASIRI, Head of CE, Department of Chemistry, Faculty of Science, Chulalongkorn University, Bangkok. This collaboration will be done for joint Indo-ASEAN Project.