

Translational Research on Medicinal, Aromatic & Foam forming plant resources of Arunachal Pradesh



We are aimed at solving the unmet need for therapeutic/preventive interventions through a traditional knowledge-inspired, innovative, alternative, accelerated, and cost-effective approach of translational research on medicinal, aromatic, and foam-forming plant resources of Arunachal Pradesh. We advocate and practice translations of bioresource based Frugal innovations to accelerate sustainable development of Phytopharmaceuticals and Phytonutraceuticals. We work with a truly multidisciplinary approach, especially in the interphase of bioresources and material science.

Our current focus areas of Translational R&D are:

- Phyto actives for combating resistant superficial microbial infections
- Air and surface sterilization processes and products for indoor and outdoor environments
- Stable natural saponin for cosmeceutical applications
- Network pharmacology based scientific validation of traditional healthcare formulations of metabolic syndrome, and other neglected diseases.
- Nano/micro drug delivery approaches for overcoming ADMET challenges of traditional knowledge based Phytopharmaceuticals
- Affordable Nutraceuticals for infant, and maternal health issues in indigenous population.

Translational R&D @ DBT-APSCS&T CoE for Bioresources and Sustainable Development

BIOPROSPECTING AND TRANSLATIONAL PRODUCT DEVELOPMENT RESEARCH ON MEDICINAL, AROMATIC, FOAM FORMING PLANT RESOURCES OF ARUNACHAL PRADESH

