

Details of Network Sub-Project at ICAR-NISA, Ranchi (Lead Centre)

List of completed Sub-Projects:

S. No.	Name of Sub-Project(s)	Name of Co-PIs	Name of Associates
1.	Improvement of functional properties of minced meat product by incorporation of <i>guar</i> gum and gum <i>arabic</i>	Dr. Divya	Dr. SK Giri
2.	Study of changes in aromatic components (essential oils) of <i>guggul</i> (<i>Commiphora wightii</i>) in the marketing-chain	Dr. MZ Siddiqui	Dr. Moni Thomas
3.	Development of enzymatic method for the removal of residual gum from <i>guar</i> meal	Dr. S Srivastava	Shri Anis K.
4.	Development of suitable method and technology for efficient storage of gum <i>karaya</i> and gum <i>arabic</i>	Dr. SK Giri	Shri SKS Yadav Dr. MF Ansari
5.	Development of freshening tool for bore hole technique of pine resin tapping	Dr. SC Sharma	Dr. Niranjan Prasad Dr. Kulwant Rai Sharma
6.	Chemical profiling and rheological study of <i>Buchanania lanzan</i> (<i>Piyar</i>) gum exudates	Dr. MZ Siddiqui	Dr. AR Chowdhury
7.	Comparative evaluation of selected physico-engineering properties of different major and minor gums	Dr. SC Sharma	Dr. Niranjan Prasad
8.	Physicochemical, rheological and edibility test of <i>Prosopis juliflora</i> and <i>Balanites aegyptiaca</i> gum exudates from Rajasthan	Dr. MZ Siddiqui	-
9.	Marker-trait association for growth and oleoresin traits of <i>chir pine</i> (<i>Pinus roxburghii</i>)	Shri Sheeraz Saleem Bhat	-
10.	Preparation and characterization of modified guar gum nanocomposite films reinforced with <i>piyar</i> AgNPs for diversified applications	Dr. AR Chowdhury	Dr. M Z. Siddiqui Er. Priyanka Sakare
11.	Development and antibacterial activity of <i>Buchanania Lanzan</i> (<i>Piyar</i>) gum- based silver nanoparticles.	Dr. MZ Siddiqui	Dr. AR Chowdhury
12.	Field guide for identification of major resin and gum producing plants	Mr. Nandkishore Thombare	Dr. Vaibhav D Lohot Dr. Niranjan Prasad

List of on-going Sub-Projects:

S. No.	Name of Sub-Project	Name of Co-PIs	Name of Associates
1.	Exploration of minor gum and resin plants in India and preparation of field guide	Dr. Nandkishore Thombare	Dr. Vaibhav D. Lohot Dr. Niranjana Prasad
2.	Effect of Tapping Techniques on Gum Yield from Buchanania lanzan Trees	Dr. S. C. Sharma	Er. S. K. Pandey

On-going other activity at Lead Centre:

S. No.	Activity	Investigators
1.	Development and maintenance of resin and gum plants germplasm farm at IINRG	Dr. Nandkishore Thombare