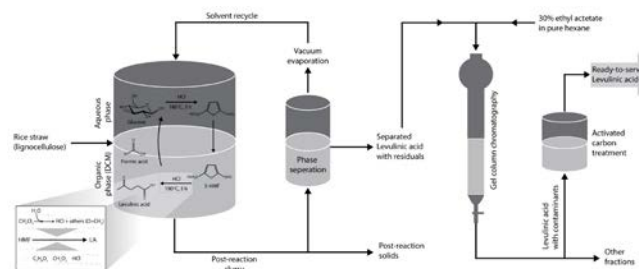


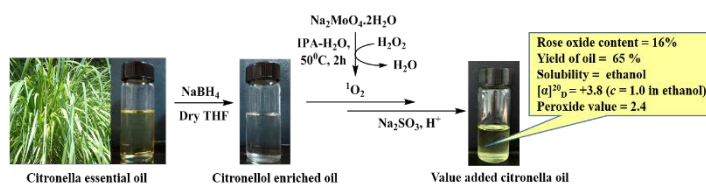
TECHNOLOGY AVAILABLE

A process for production of levulinic acid from agri-residue wastes in a single-pot reactor setup. This compound is recognized as a high value platform molecule.

Indian Patent File No. 201711010199

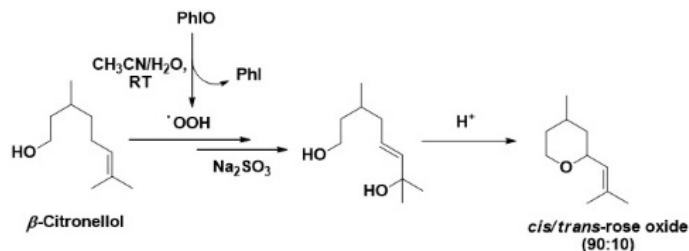


A Process of fragrance improvement of citronella essential oil by its enrichment with rose oxide and a process of production of rose oxide and uses thereof



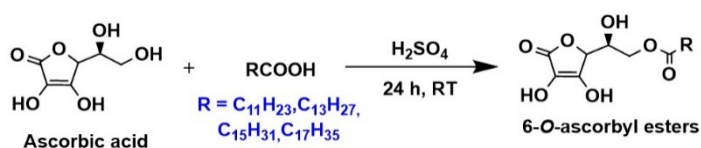
Indian Patent File No. 201611009275

A process for fragrance improvement of citronella essential oil by its enrichment with rose oxide using hypervalent iodine reagents and uses thereof



Indian Patent File No. 201611024112

An improved process for production of food grade 6-O-ascorbyl esters by chemical esterification of L-ascorbic acid with various fatty acids and their simple purification



Indian Patent File No. 201811000397

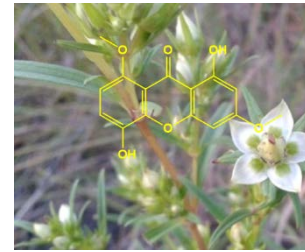
A process for production of xylose, levulinic acid and lignin from spent aromatic biomass

Indian Patent File No. 201911013540



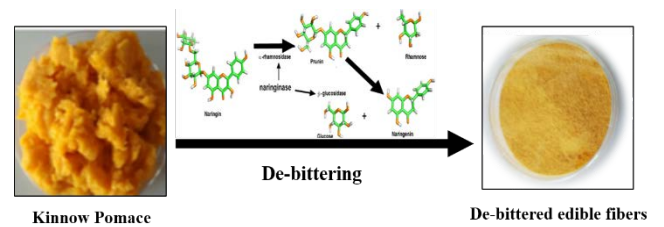
An improved process for isolation of 1,5-dihydroxy-3,8-dimethoxyxanthone from *Swertia paniculata*

Indian Patent File No. 201811028298



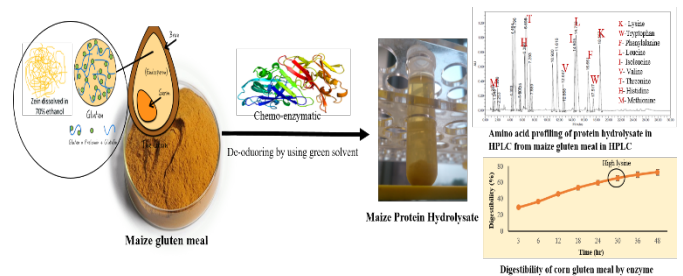
A green strategy for the development of debittered dietary fibre rich edible powder from kinnow juice industry waste

Indian Patent File No. 201911017743



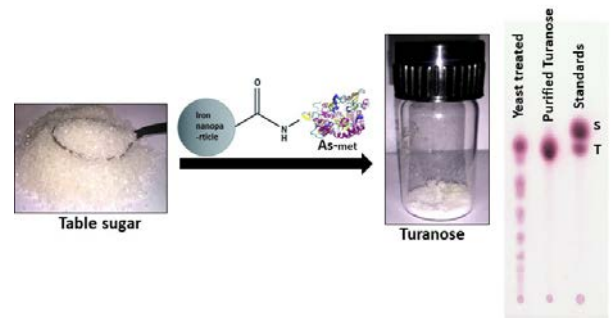
Novel process for the production of off odour/off flavour free protein hydrolysate from maize gluten meal and uses thereof.

Indian Patent File No. 201811048486



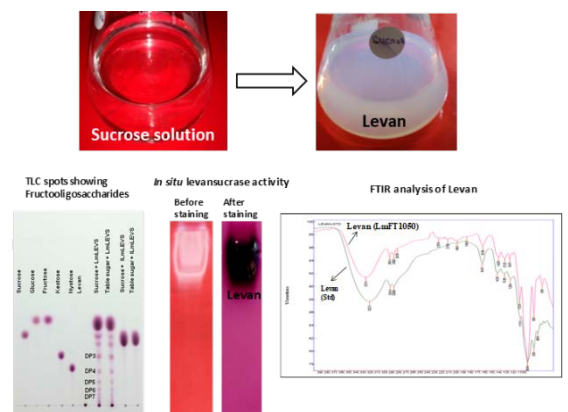
A method for catalytic biosynthesis of turanose, the next generation functional sugar, utilizing sucrose biomass.

Indian Patent File no. 201911007403



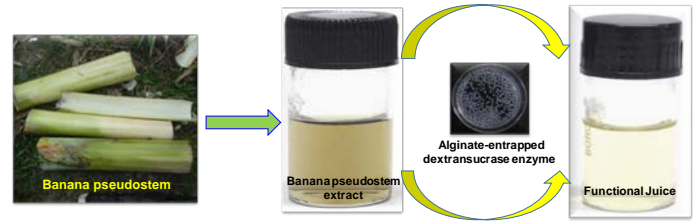
A method for catalytic production of prebiotic fructooligosacchrides and levan from sucrose containing feedstocks.

Indian Patent File No. 201811000595



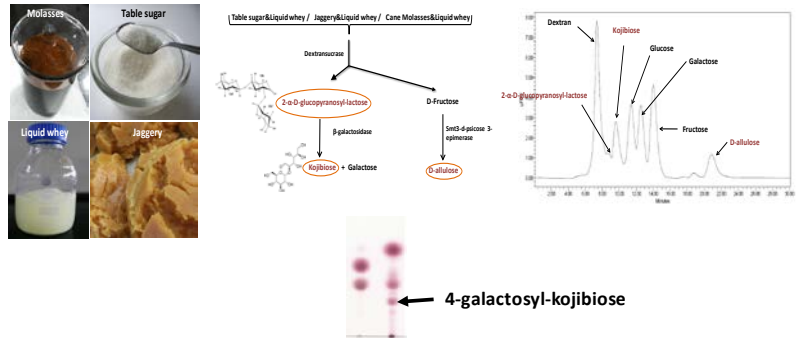
A bioprocess for transformation of banana pseudo-stem into a functional juice containing non-digestible and prebiotic oligosaccharides, and nearly calorie free functional sugar, D-allulose.

Indian Patent File No. 201711009819



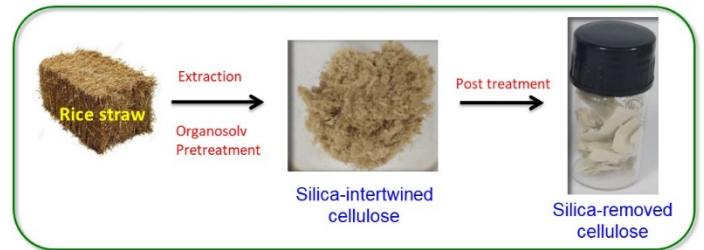
A method for bioprocessing of raw and by-products from dairy and sugarcane industries for production of functional biomolecule, 4galactosyl-kojibiose and kojibiose.

Indian Patent File No. 201711006155



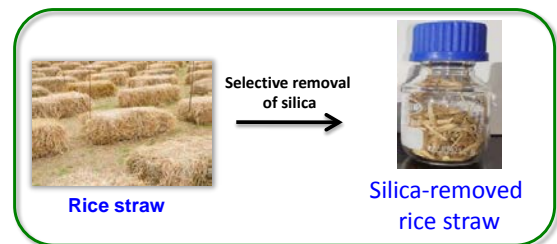
A two-step process for the production of silica-removed cellulose from rice straw

Indian Patent File No. 201911018935



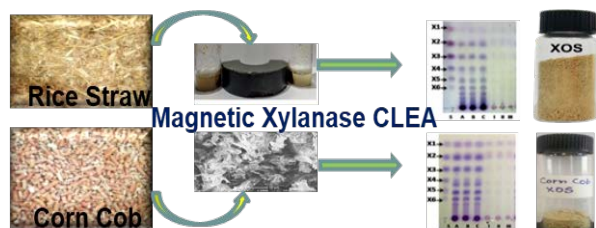
A one-pot process for the selective removal of silica from rice straw

Indian Patent Application No. 201911021881



Xylanase and magnetic-xylanase-CLEA based process for xylooligosaccharides (XOS) production from physically treated agro-biomass and uses thereof.

Indian Patent File No. 201711020622



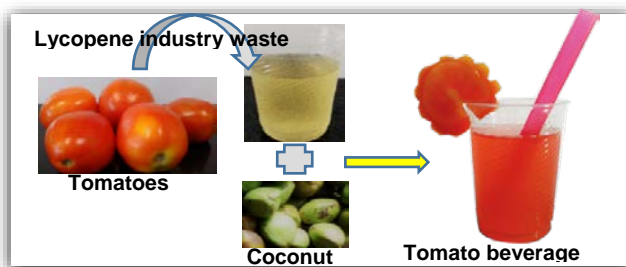
Utilization of tomato and tomato processing by-products for the development of fiber, minerals and antioxidant rich novel bakery products.



Indian Patent File No. 201711042760

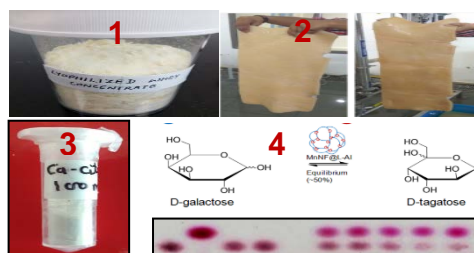
A special beverage based on tomato fruit juice, coconut water and other additives.

Indian Patent File No. 201711028768



Integrated as well as module(s) selective process for production of whey proteins, bacterial cellulose, calcium citrate and D-tagatose from liquid whey.

Indian Patent File No. 201711024828



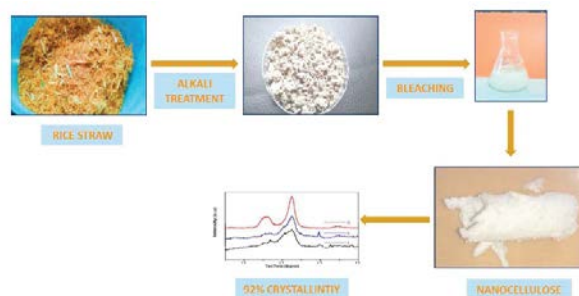
A simple method for extracellular production of high purity C-phycoerythrin from *Spirulina platensis*.

Indian Patent File No. 201811050007



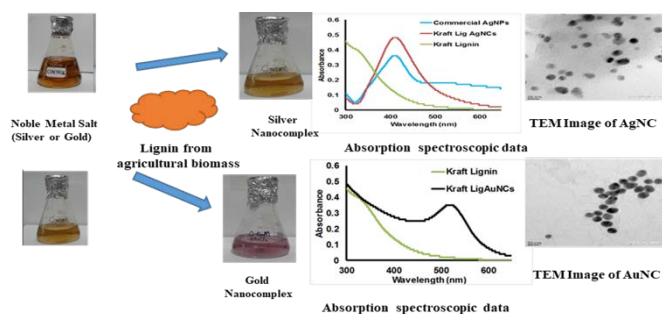
An up scaled process for the production of rice straw derived nanocellulose (cellulose nanofibers) with improved delignification and better crystallinity index.

Indian Patent File No. 201811048498



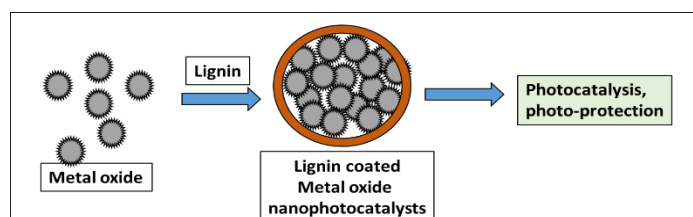
Processes to synthesize lignin coated metal (silver and gold) nanocomplexes and further development of nanotherapeutic and nanodiagnostic agents.

Indian Patent File No. 201711047253



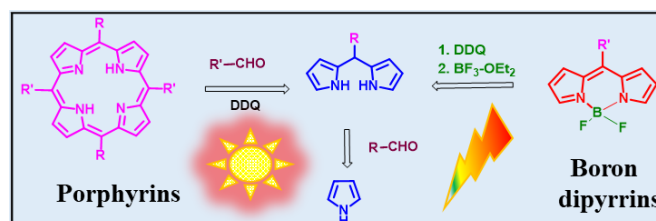
Processes to develop lignin based metal oxide nanocomposites for UV protective, antimicrobial and photocatalytic applications.

Indian Patent File No. 201811048498



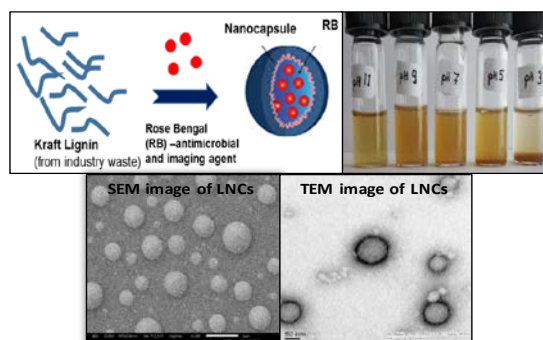
Simple, one-pot methods developed for preparing light activatable polypyrrolic compounds and their nanoformulations.

Indian Patent File No. 201811044076



A process to synthesize lignin nanocarriers in facile, green and high yielding manner.

Indian Patent File No. 201911011852



A novel D-allulose 3-epimerase biocatalyst system for biosynthesis of nearly zero calorie functional sugar, D-allulose

Indian Patent File No. 201811023113

