Schemes and *Adhoc* projects

Schemes Currently Functioning

Sr. No.	Name of Scheme	Funding agency	Year of commencement
01	Estalishment of methylotrophic and algal biofertilizer production and GHG emission with plant growth improvement of irrigated crops	RKVY	**2021-22**
02	Research on Organic Farming (Microbiology component) (Plan)	GOG	**2016-17**
03	Strengthening Department of Agricultural Microbiology (Plan)	GOG	**2012-13**
04	Research & Demonstrations of Biofertilizers in tribal areas of Gujarat (Plan)	GOG	**2002-03**
05	Research on eco-friendly Biofertilizers (Plan)	GOG	**1997-98**
06	NARP- Subcomponent Microbiology (Plan converted to Non-plan)	GOG	**1983-84**

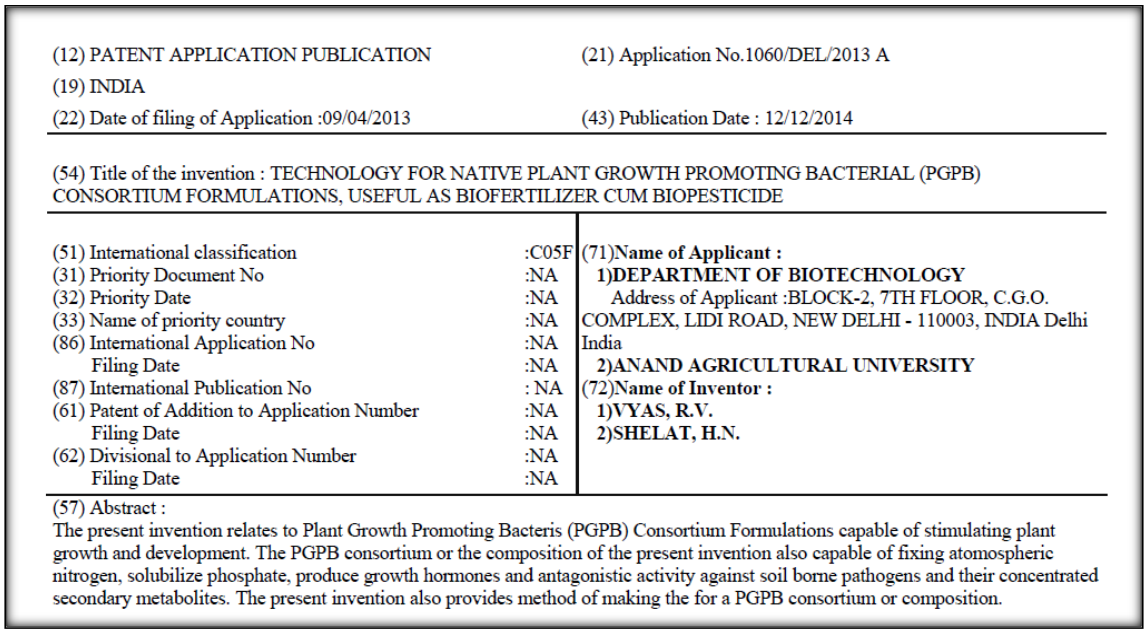
Projects successfully completed

Sr. No.	Name of Project	Funding agency	Duration
01	Native methanotrophic bacterial consortium for mitigation of methane flux from rice ecosystem	DBT-GOI	**2017-20**
02	Feasibility study for enrichment of hygienised dry sewage sludge with Plant Growth Promoting Bacterial consortium (*Anubhav* Bio-NPK) and to assess its efficacy in potato, tomato and wheat	Ahmedabad Municipal Corporation, Ahmedabad	**2016-18**
03	Establishment of central laboratory of excellence for mapping and atlas preparation of agriculturally beneficial bacteria in Gujarat state	RKVY	**2012-14**
04	Establishment of Liquid Biofertilizer mass production unit (Biofertilizer plant)	RKVY	**2012-14**
05	Fortified formulations of PGPR consortium and PGPR metabolites with humic acid and micronutrients followed by efficacy on rice, wheat and bajra crops.	DBT, GOI	**2012-15**
06	Business planning and development Unit NAIP-I	NAIP-GOI	**2009-14**
07	Native endophytic PGPR consortium formulation and appraisal as biofertilizer cum biopesticide for sustainable crop productivity	DBT, GOI	**2009-12**

08	RKVY Project (Rastriya Krishi Vikash Yojna) on Organic farming (Plan)	GOG	**2009-11**
09	Field efficacy testing of Agriland Biotech biofertilizer's formulations in wheat *cv.*, GW 496	Agriland Biotech.Ltd., Samlaya, Vadodara	**2009-10**
10	Research on Kalisena and Josh as BIofertilizers against different horticultural crops	Agro Business, Cadila Pharmaceuticals Ltd., Ahmedabad	**2006-08**
11	Enrichment of FYM for sustainable soil productivity	Gosewa Aayog, Gandhinagar	**2001-04**
12	Development and testing of liquid biofertilizers	Biofertilizer, Kribhco, Khribhconagar, Hazira	**2000-02**
13	Quality testing of biofertilizers	Growel Agrochemical, Porbandar	**1993-94**
14	Testing of microbial inoculants as per BIS Standards	G.S.F.C. Fertilitzer Nagar, Vadodara	**1990-91**
15	Research on *Azolla* and Biofertilizers (Non-plan)	GOG	**1985-11**

Patent & Patent Culture Deposits: 5

- Technology for Native Plant Growth Promoting Bacterial (PGPB) Consortium Formulations, Useful as Biofertilizer cum Biopesticide" Indian patent filed vide No 1060/DEL/2013 dtd. April 9, 2013 and published vide No.50/2014 dtd. 12/12/2014.



(12) PATENT APPLICATION PUBLICATION (21) Application No.1060/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :09/04/2013 (43) Publication Date : 12/12/2014

(54) Title of the invention : TECHNOLOGY FOR NATIVE PLANT GROWTH PROMOTING BACTERIAL (PGPB) CONSORTIUM FORMULATIONS, USEFUL AS BIOFERTILIZER CUM BIOPESTICIDE

(51) International classification	:C05F	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)DEPARTMENT OF BIOTECHNOLOGY**
(32) Priority Date	:NA	Address of Applicant :BLOCK-2, 7TH FLOOR, C.G.O.
(33) Name of priority country	:NA	COMPLEX, LIDI ROAD, NEW DELHI - 110003, INDIA Delhi
(86) International Application No	:NA	India
Filing Date	:NA	**2)ANAND AGRICULTURAL UNIVERSITY**
(87) International Publication No	: NA	(72)**Name of Inventor :**
(61) Patent of Addition to Application Number	:NA	**1)VYAS, R.V.**
Filing Date	:NA	**2)SHELAT, H.N.**
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to Plant Growth Promoting Bacteris (PGPB) Consortium Formulations capable of stimulating plant growth and development. The PGPB consortium or the composition of the present invention also capable of fixing atomospheric nitrogen, solubilize phosphate, produce growth hormones and antagonistic activity against soil borne pathogens and their concentrated secondary metabolites. The present invention also provides method of making the for a PGPB consortium or composition.

- Deposition of biofertilizer cultures at IMTECH (GOI), Chandigadh for Indian Patent Right
    1. MTCC 5464 (*Azotobacter chroococcum*)
    2. MTCC 5465 (*Bacillus coagulans*)
    3. MTCC 6567 (*Azospirillum lipoferum*)
    4. MTCC 5483 (*Acetobacter diazotrophicus*)

Standard Strain Deposition

Deposited Methylotrophic bacterial culture *Bacillus aerius* AAU M8 as type strain TSD 109 at ATCC, USA and available as methylotrophic bacterial standard strain for scientific community.

ATCC®

CERTIFICATE OF DEPOSIT

Type Strain Deposit Number:	TSD-109
Organism:	*Bacillus aerius* Strain: AAU M 8
Depositor:	YK Jhala, RV Vyas
Depositing Institution:	Anand Agricultural University, Anand, Gujarat, India
Date Available for Initial Distribution:	28 September 2018 Customers may request the organism using the Type Strain Deposit Number. Information on ordering the strain can be accessed through our website at www.atcc.org.