(Deemed to be University) Accredited by (3rd Cycle) by NAAC with a CGPA OF 3.64 on a four point scale at with 'A++' Grade (An ISO 9001:2015 Certified University)

3.3.1: GEOTAGGED PHOTOGRAPHS OF INNOVATIONS MADE

PATENT NAME : A Device For Vibration With Therapeutic Algometer



Location : Latitude -18.625; longitude -73.825

(Deemed to be University) Accredited by (3rd Cycle) by NAAC with a CGPA OF 3.64 on a four point scale at with 'A++' Grade (An ISO 9001:2015 Certified University)

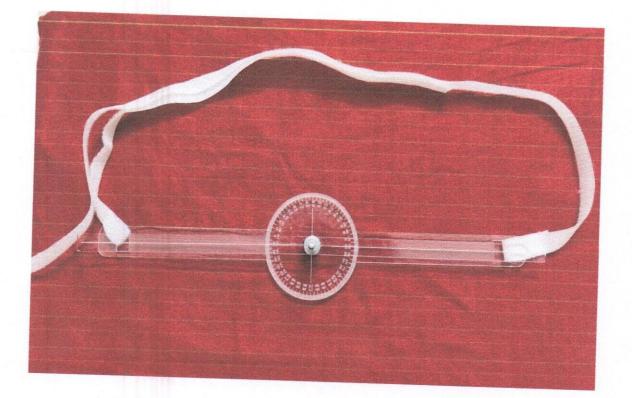
PATENT NAME : System For Measuring Handgrip Strength And Pinch Strength



Location : Latitude -18.625; longitude -73.825

(Deemed to be University) Accredited by (3rd Cycle) by NAAC with a CGPA OF 3.64 on a four point scale at with 'A++' Grade (An ISO 9001:2015 Certified University)

PATENT NAME: A Frontal Plane Postural Assessment (FPPA) Device For Measuring Shoulder Level Symmetry



Location : Latitude -18.625; longitude -73.825

(Deemed to be University) Accredited by (3rd Cycle) by NAAC with a CGPA OF 3.64 on a four point scale at with 'A++' Grade (An ISO 9001:2015 Certified University)

PATENT NAME : A Sensory Re-Education And Desensitization System



Location : Latitude -18.625; longitude -73.825

(Deemed to be University) Accredited by (3rd Cycle) by NAAC with a CGPA OF 3.64 on a four point scale at with 'A++' Grade (An ISO 9001:2015 Certified University)

DEVICE NAME :A DEVICE FOR VIBRATION WITH THERAPEUTIC ALGOMETER



(Dr. Tushar J. Palekar Ph.D.) Principal Dr. D.Y.Patil College of Physiothocepy

Pune-18.



Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed to be University) Accredited (3rd Cycle) by NAAC with a CGPA of 3.64 on a four point scale at A++ Grade) (An ISO 9001: 2015 Certified University)





Title of the Patent:

Response Analyzer of Sensory Motors Interaction (RASMI)

Patent Application No.: 202021041325 A

Name of the Inventor:

- 1. Dr. Manisha Ashish Rathi
- 2. Dr. Bhavana Ambudkar



Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed to be University) Accredited (3rd Cycle) by NAAC with a CGPA of 3.64 on a four point scale at A++ Grade) (An ISO 9001: 2015 Certified University)



GPS		
Latitude	18; 37; 28.720000000009	
Longitude	73; 49; 30.0999999999768	
Altitude	573.92105868814724	
E i la		

Title of the Patent:

Stimulation Reaction Chronograph

Patent Application No.: 202021041326 A

Name of the Inventor:

- 1. Jennel Roberts
- 2. Dr Mayura P. Deshmukh
- **3.**Leo Xavier Loui
- **4.** Harshal Suryavanshi
- 5. Dr Tushar J. Palekar



Dr. D. Y. Patil Vidyapeeth, Pune (Deemed to be University)

Accredited (3rd Cycle) by NAAC with a CGPA of 3.64 on four point scale at 'A++' Grade An ISO 9001:2015 Certified University and 14001:2015 Green Education Campus



- **Title of the Patent:** A cutaneous punch biopsy instrument with an attached base cutter and tissue retention system
- Patent Application No.: E20212036426
- Name of the patenter: Dr Aayush Gupta, Dr. D.Y.Patil Medical College, Hospital and Research Centre, Pune.

Attested Copy

(Dr. A. N. Suryakar) Registrar Dr.D.Y.Patil Vidyapeeth (Deemed to be University) Pimpri, Pune- 18.

Products developed/In pipeline: Probiotics for poultry Avapro Product label

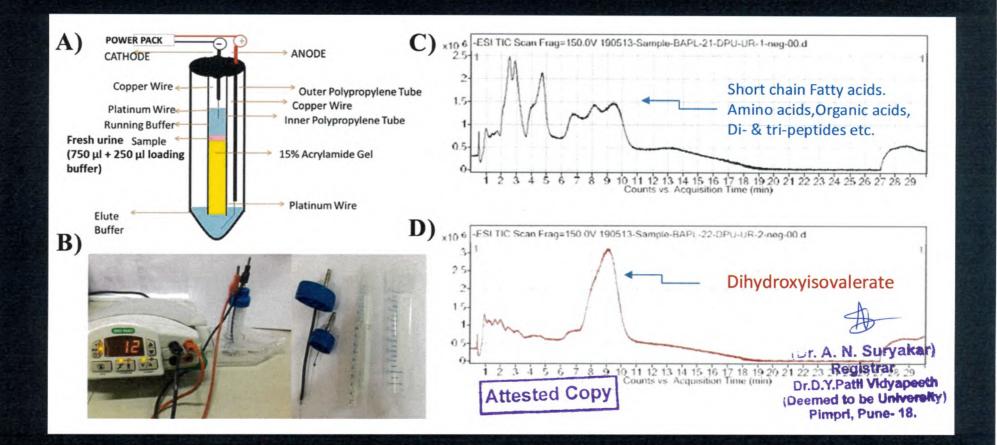
AVAPRO SUPPLEMENT FACTS			
Weight: 1 Packet	t (g)	A	
Lactobacillus fermentum	2.5X10 ¹⁰ CFU/g	0	
Lactobacillus plantarum	2.5X10 ¹⁰ CFU/g	2ª	
Pectin		ANATR	
β-carotenoid		N.	A
Sorbitol			(Dr. A. N. Suryakar)
Ascorbic acid		-	Registrar Dr.D.Y.Patil Vidyapeeth (Deemed to be University
Citric acid			Pimpri, Pune- 18.

Directions: For best results, take entire content of the sachet and mix with (__kg) of organic feed/ standard feed/ water (__L) and use immediately

Presently the product is licensed to "Agroinnovations India Pvt.

Attested Copy Ltd."

A Simple Device In Cancer Biomarker Discovery



A prototype model of Vertical Tube Gel Electrophoresis (VTGE) to aid in biomarkers discovery in cancer. (A). A flow design of VTGE. (B). A working model of VTGE. (C) LC-HR-MS based total ion chromatogram of urine metabolites of healthy person. (D) LC-HR-MS based total ion chromatogram of urine metabolites of oral cancer patient. (Indian Patent Application Number no: 201921000760; 01/03/2019).

A simple device in Cancer Biomarker discovery

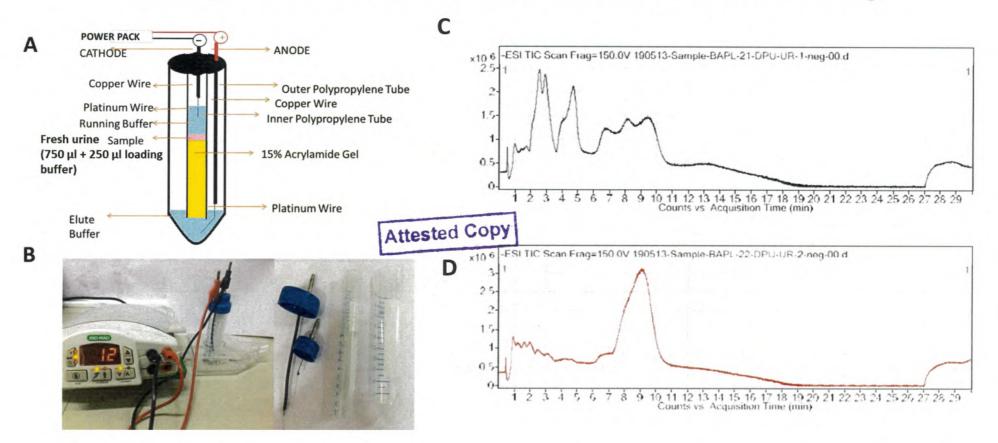


Fig. 1 A prototype model of Vertical Tube Gel Electrophoresis (VTGE) to aid in biomarkers discovery in cancer. (A). A flow design of VTGE. (B). A working model of VTGE. (C) LC-HR-MS based total ion chromatogram of healthy urine metabolites. (D) LC-HR-MS based total ion chromatogram of oral cancer urine metabolites. Indian Patent Application Number: Date of Publication: 01/03/2019. (Patent Application Suryakar) Number no: 201921000760).

(Deemed to be University) Pimpri, Pune-18.

Agastic: A bioplastic from agar waste









Bioplastic

Aesthetic products, packaging films, packaging material

Biogels

Air freshener gels, water absorbing gels

7

Products developed/In pipeline: Agastic





(Dr. A. N. Suryakar) Registrar Dr.D.Y.Patil Vidyapeeth (Deemed to be University) Pimpri, Pune- 18.

Product Developed & Technology Transfer- 2 **Probiotics for Poultry**

Avapro Product Label

AVAPRO SUPPLEMENT FACTS

Weight: 1 Packe	t (g)	
Lactobacillus fermentum	2.5X10 ¹⁰ CFU/g	00
Lactobacillus plantarum	2.5X10 ¹⁰ CFU/g	ANARQO
Pectin		2.
β-carotenoid		the second secon
Sorbitol		A N Sumak
Ascorbic acid	Attested Copy	Registrar rDr.D.Y.Patil Vidyape
Citric acid		(Deemed to be Univer Pimpri, Pune-18.

Directions: For best results, take entire content of the sachet and mix with (__kg) of organic feed/ standard feed/ water (__L) and use immediately

Presently the product is licensed to "Agroinnovations India Pvt. Ltd." 5

Research Awards @ National Level Biosmotrap

An innovation entitled "A multipurpose low-cost biological air purifier" submitted by students of Dr. D. Y. Patil Biotechnology and Bioinformatics Institute under the guidance of Dr. Neelu Nawani, received the Gandhian Young Technology Innovation Award 2018 (GYTI 2018).

The award was given to the students Mrs. Neeta Wagle and Ms. Priti Yewale by Hon'ble President of India Shri Ram Nath Kovind.



Society for Research and Initiatives for Sustainable Technologies and Institutions

SRISTI



Gandhian Young Technological Innovation

GYTI Awards 2018

19 March 2018 | Festival of Innovation and Entrepreneurship | Rashtrapati Bhavan



Product Developed & Technology Teansfer- 1 **Biosmotrap (De Novo Tech., Mumbai)**



Carriage Assembly



Biological purifier/filter before installation on the vehicle exhaust

Air

Pollutants



Biosmotrap assembly fitted on vehicle exhaust



Biological purifier/filter after removal from vehicle exhaust. The vehicle was used for nearly 250 km with the Biosmotrap assembly

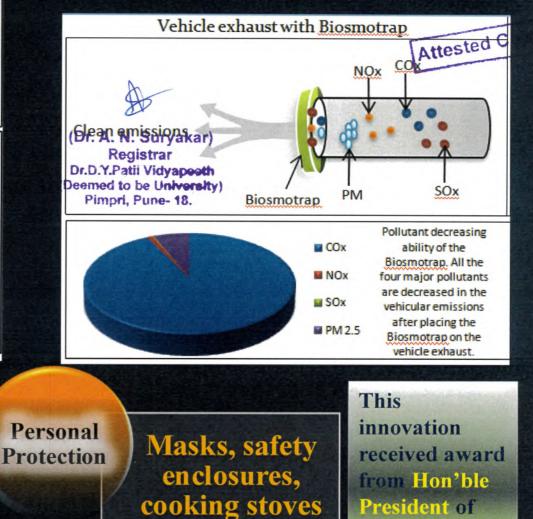
Pollution

control and

air clean-up

at low cost

Biosmotraps are made from waste materials when fitted on vehicle exhaust pipe, they reduce the black emissions by 70%

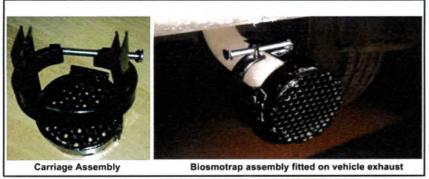


India

2

with filters

Products developed & Technology Transfer (in process): DPU Biosmotrap (De novo Tech, Mumbai)



Pollution

cost

control and air

clean-up at low



Biological purifier/filter before installation on the vehicle exhaust

Air

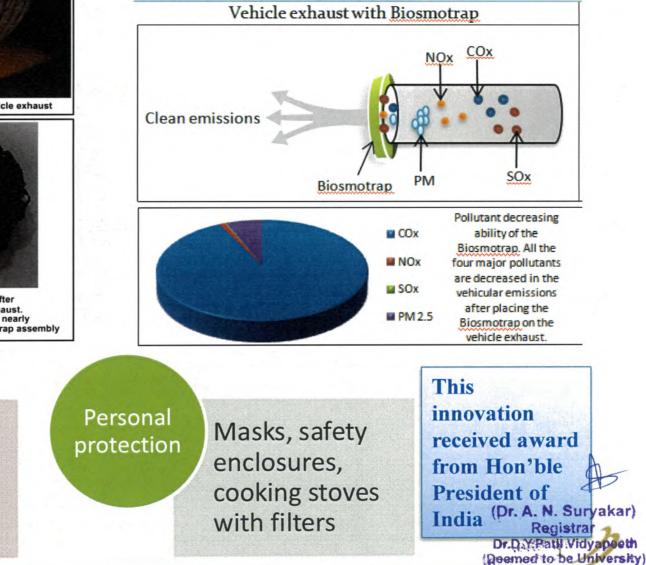
pollutants

Attested Copy



Biological purifier/filter after removal from vehicle exhaust. The vehicle was used for nearly 250 km with the Biosmotrap assembly

Biosmotraps are made from waste materials when fitted on vehicle exhaust pipe, they reduce the black emissions by 70%



Pimpri, Pune- 18.