



**A.V.V.M. Sri Pushpam College (Autonomous)**

**Poondi– 613 503, Thanjavur-Dt, Tamilnadu**

*(Affiliated to Bharathidasan University, Tiruchirappalli – 620 024)*

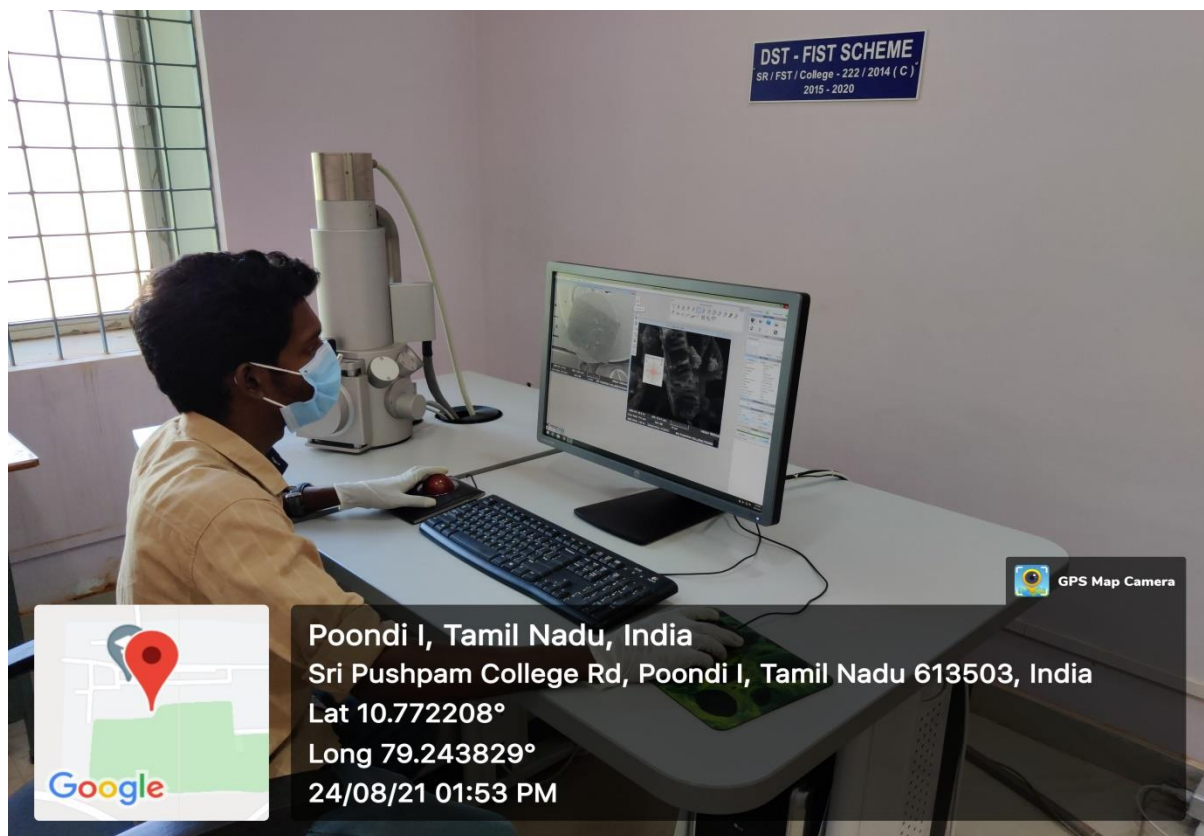
**3.1.1. The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented**

## **Research Facilities**

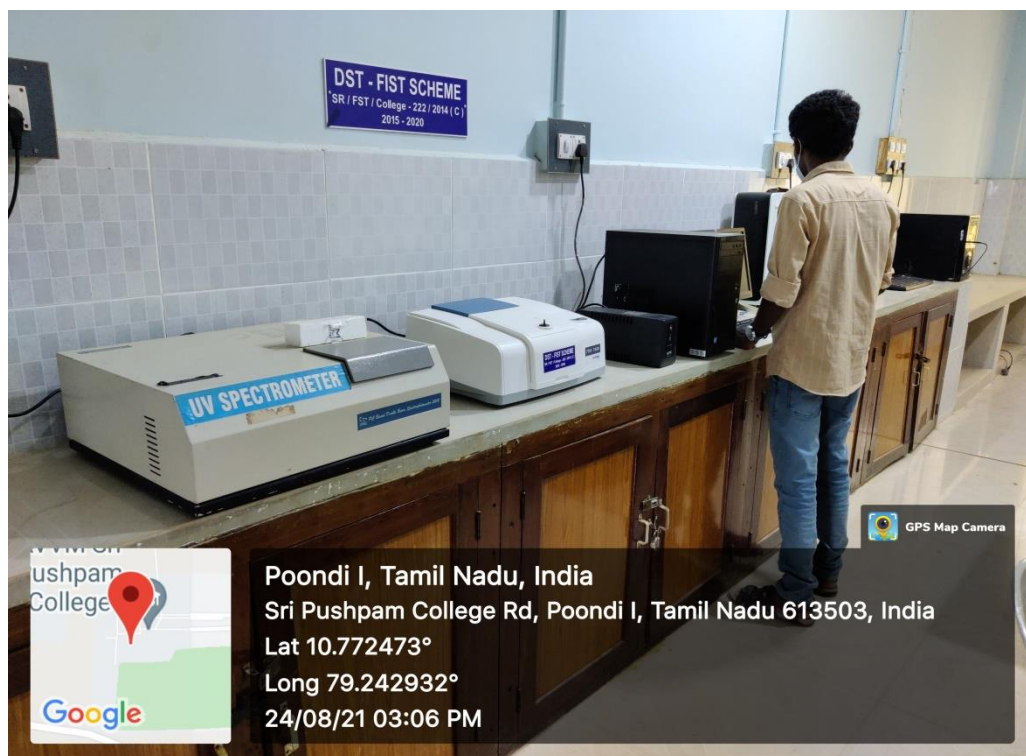
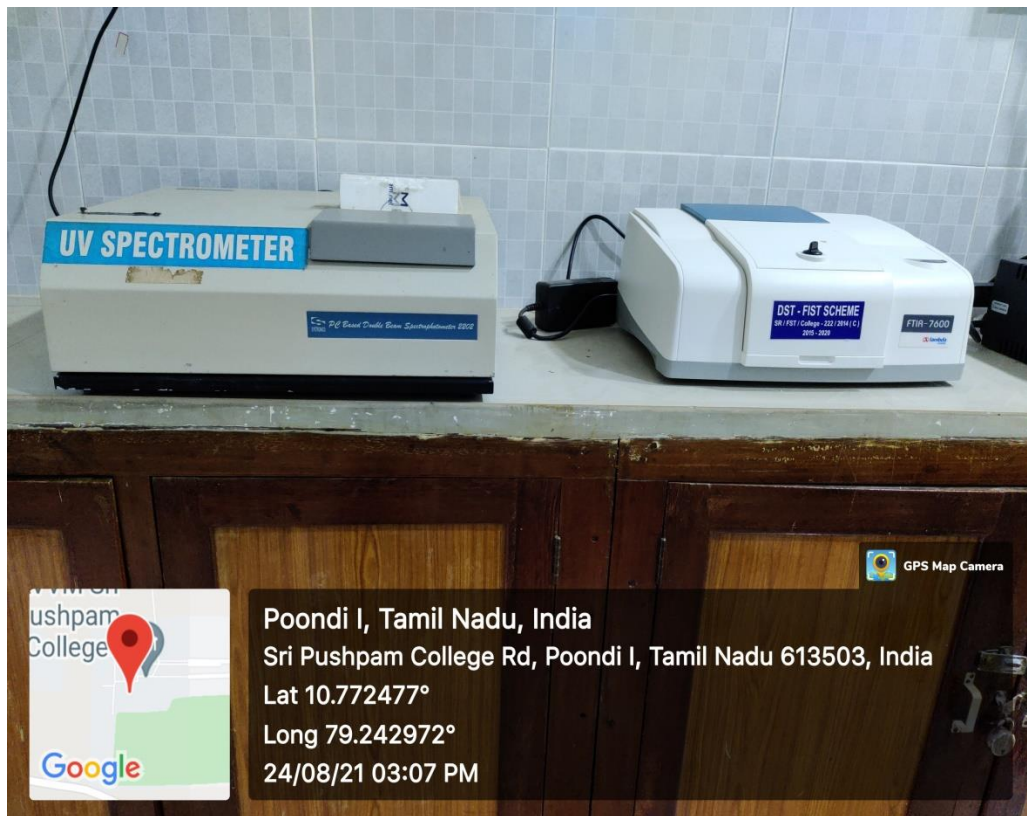
## Research Facilities

- The institution bestows an environment conducive for pursuing research by providing suitable infrastructural facilities such as exclusive research laboratories, library and Research Nodal Centre.
- In 2015, under DST- FIST, instruments necessary for characterization like Scanning Electron Microscope, FTIR , Phase Contrast Inverted Microscope were installed, which are fully operational and under continuous usage for Research scholars and PG students of our institution and neighbouring ones.
- Units for vermicomposting, Mushroom culture and Bio fertilizer production have been developed to provide training for our students as well as for entrepreneurs under consultancy services.
- An exclusive *Materials Science Research Laboratory* for nanomaterials and thin films preparations was established under **DST-SERB** (2017), **CSIR** (2014) and **UGC** (2011) research projects.
- Laboratories for computational phytochemistry laboratory with Dell work station and **Phytochemistry and Ethnopharmacology laboratory** have also been developed.
- **As outcome of these facilities, 143 research articles have been published in SCI Journals and 590 more in Scopus, UGC CARE list journals and others during this assessment period (2015-2020).** The h-index of the institution increases markedly and reached 42 in 2021.
- **One among our teachers has figured in the list of World's Top 2% scientists released by Stanford University, USA and another senior teacher has submitted thesis for D.Sc. Degree.**

## Scanning Electron Microscope procured under DST-FIST (2015)



## FTIR procured under DST-FIST (2015)



## Phase Contrast Inverted Microscope procured under DST -FIST (2015)





## Mushroom cultivation unit

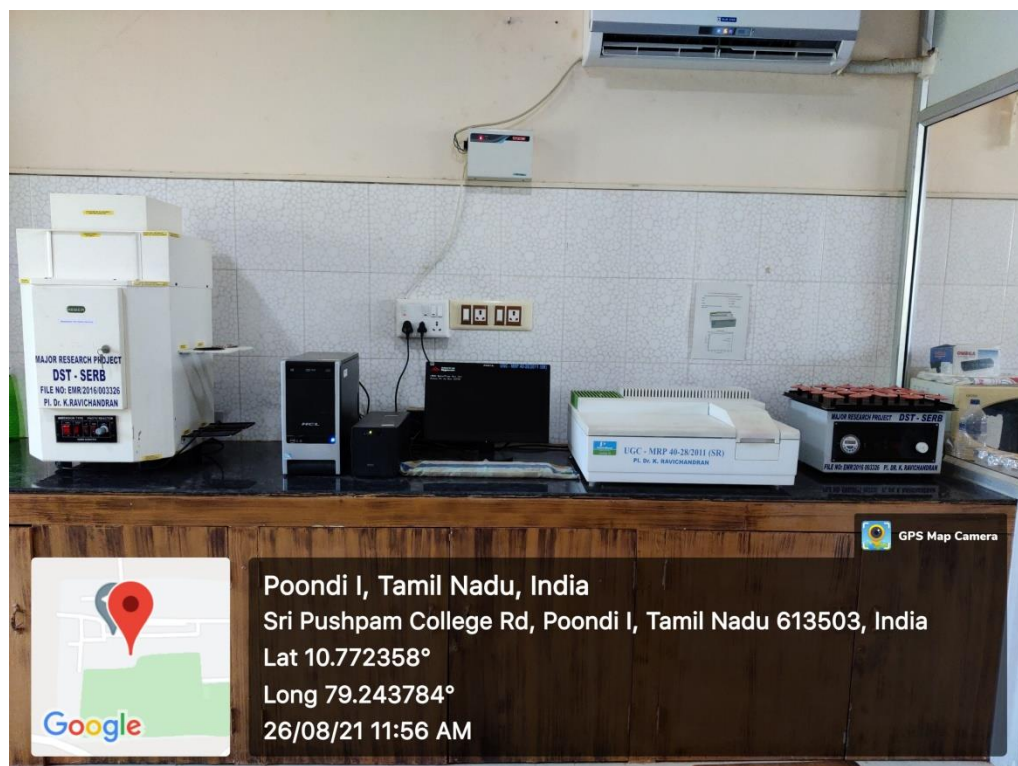


## Materials science research laboratory (2017)





## UV-vis-NIR Spectrophotometer (2017)





## High speed nebulizer spray pyrolysis unit (2017)



## Annular type Photo Reactor (2017)

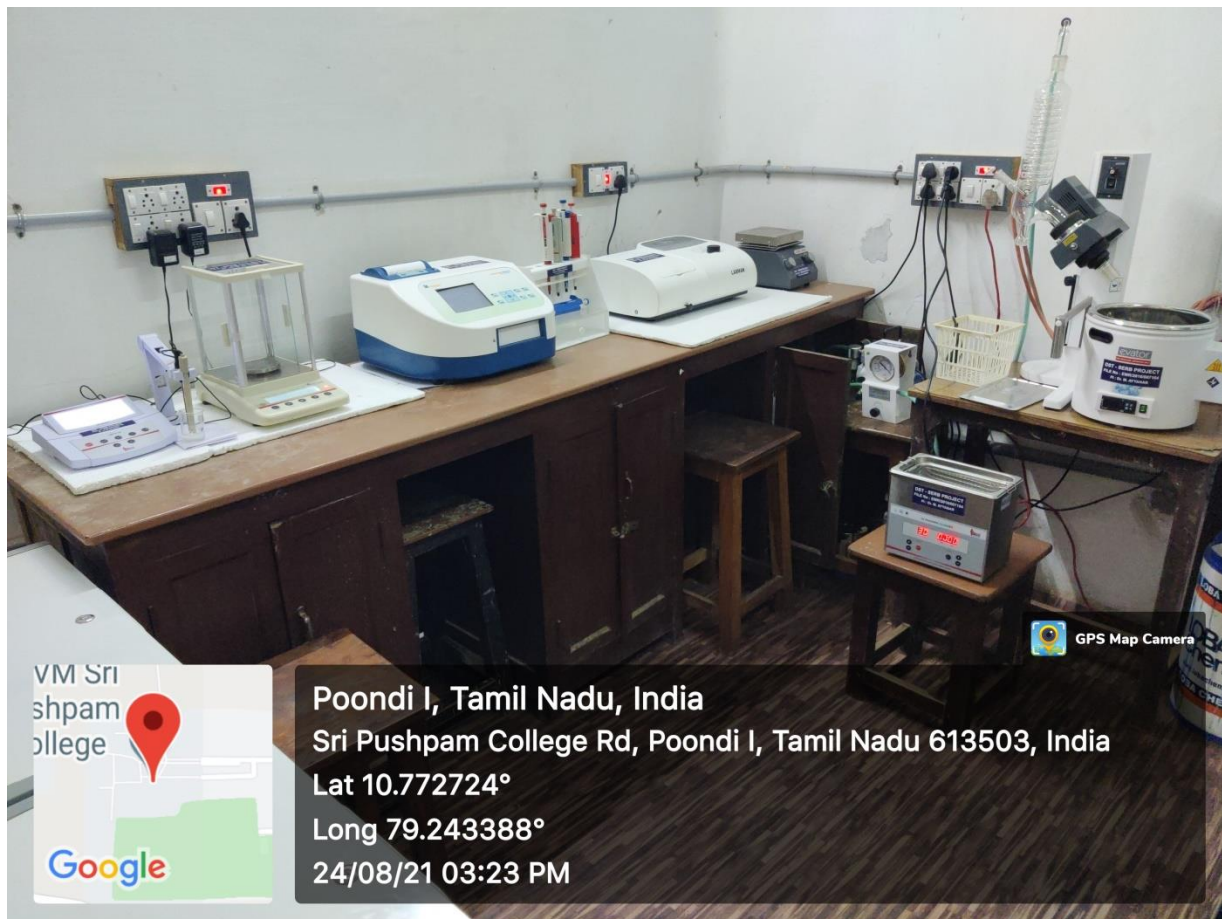








## Phytochemistry and Ethnopharmacology laboratory (2018)



## A teacher from our institution has figured in the list of World's top 2% Scientists released by Stanford University, USA

Table-S7

	A	B	C	D	E	F
136901	Lacey, Ernest	Microbial Screening Technologies Pty L	aus	120	1978	2020
136902	Duffy, D. L.	QIMR Berghofer Medical Research Inst	aus	260	1990	2020
136903	Hutchison, William D.	University of Minnesota	usa	139	1983	2020
136904	Zong, Meng	Northwestern Polytechnical University	chn	50	2013	2020
136905	Pattaro, Cristian	EURAC Research, Institute for Biomed	ita	84	2004	2019
136906	Yoon, Kuk Jin	Korea Advanced Institute of Science &	kor	100	2000	2020
136907	Ivanisenko, Yu	Karlsruhe Institute of Technology, Cam	deu	117	1994	2020
136908	Cheng, Shou Hsiung	Chienkuo Technology University Taiwa	tw	44	2010	2018
136909	Jurado-Sánchez, Beatriz	Universidad de Alcala	esp	38	2007	2017
136910	Blanpain, Bart	KU Leuven	bel	379	1986	2020
136911	Gardiner, Mary M.	The Ohio State University	usa	45	2003	2020
136912	Scheidel, Walter	Stanford University	usa	70	1990	2018
136913	Li, Xiaohong	Southwest Jiaotong University	chn	155	1999	2020
136914	Moon, Kyoung sik	Georgia Institute of Technology	usa	257	1997	2020
136915	Ravichandran, K.	A.V.V.M Sri Pushpam College	ind	136	2008	2020
136916	Balkanski, Minko	Sorbonne Universite	fra	299	1958	2005
136917	Corley, Mary C.		usa	33	1981	2005
136918	Williams, Zev	Columbia University Irving Medical Ce	usa	41	1999	2019
136919	Song, Zhida	Princeton University	usa	25	2015	2020
136920	Restrepo, J. I.	Structural Engineering Department	usa	127	1995	2020
136921	Raza, Usman	Purdue Polytechnic Institute	usa	29	2012	2020
136922	Veinot, Tiffany C.	University of Michigan, Ann Arbor	usa	63	2004	2020
136923	Brenes, Agustín	CSIC - Instituto de Ciencia y Tecnología	esp	53	1982	2019
136924	Cox, Helen M.	King's College London	gbr	149	1980	2018
136925	Holt, P. E.	University of Bristol	gbr	142	1974	2015
136926	Mokhov, I. I.	Lomonosov Moscow State University	rus	307	1978	2020
136927	Cheng, Ke	The University of North Carolina at Ch	usa	85	2003	2020
136928	Montmessin, Franck	Universite Paris-Saclay	fra	181	2001	2020
136929	Yang, Yun Fang	Zhejiang University of Technology	chn	46	2003	2020

<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>

<https://data.mendeley.com/datasets/btchxktzyw/2>

<https://data.mendeley.com/datasets/btchxktzyw/2/files/dd0904a8-0eba-4cf3-be4a-c6092261fed5>



**A senior teacher, Dr. A. Panneerselvam – Submitted D.Sc., Thesis**

**DIVERSITY AND BIOPROSPECTING OF MICROFLORA IN  
MARINE AND TERRESTRIAL ENVIRONMENT**

Thesis submitted to  
Periyar University  
In Partial fulfillment of the requirements  
for the award of the degree of

**DOCTOR OF SCIENCE (D.Sc.)**



Submitted by

**Dr. A.Panneerselvam**

Associate Professor and Head (Retd.,)

**PG & Research Department of Botany and Microbiology  
A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS)**

(NAAC Accredited 'A' Grade ESTD 1956)

(Affiliated to Bharathidasan University - Thiruchirappalli)

**Poondi-613 503, Thanjavur District  
Tamilnadu, India**

**JUNE - 2021**