A.V.V.M. Sri Pushpam College (Autonomous)
Poondi– 613 503, Thanjavur-Dt, Tamilnadu
(Affiliated to Bharathidasan University, Tiruchirappalli – 620 024)

3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

Collaborating Agency:

Dr. S. Vijayalakshimi, Research Assistant Professor,
Department of Microbiology, Kyung Pook National University,
South Korea.

Dr. A. PANNEERSELVAM
Associate Professor and Head (Rtd.,)
PG &Research Department of Botany and Microbiology
AVVM Sri Pushpam College (Autonomous)
Poondi-613 503, Thanjavur-Dt, Tamil Nadu, India.

Dr. S. VIJAYALAKSHMI
Research Assistant Professor
Department of Microbiology,
Kyung pook national university,
South korea.

Date: 07-09-2018

LINKAGE

For the year 2018-2019

Between

1. Dr.A.Panneerselvam,
Associate Professor and Head (Rtd.,)
PG & Research Department of Botany and Microbiology
A.V.V.M Sri Pushpam College
(Autonomous), Poondi – 613 503.

&

2. Dr. S. Vijayalakshmi
Research Assistant Professor
Department of Microbiology
Kyung pook national university,
South korea.

Considering the significance of the noble cause for the student community, we have come forward to collaborate with each other to exchange research knowledge, expertise, laboratory and library facilities to the process of scientific research and education in the field of Biological science. The parties (mentioned above as 1. & 2.) have had preliminary discussion in this matter and have ascertained areas of broad consensus. The parties now therefore agreed to enter in writing these avenues of consensus, under a flexible linkage, and this project aims to fill the gap between knowledge demand and subject expertise related to the mentioned field.

Joint Responsibilities

- Sharing of laboratory facilities, library resources, database etc.,
- Joint Publication of research articles, books, magazines, bulletins etc.,
- Jointly organizing conferences, seminars, symposia and workshops.
- Submitting joint proposals for research funding from agencies like UGC, CSIR, DST and TNSCST.
- Patenting Microbes, Plants patents Procedure, Product development and Novel equipments in Biological sciences (Indian and Foreign Patenting).

Dr. A. Panneerselvam

Dr. S. Vijayalakshmi

Fungal secondary metabolites: A potential source of anticancer compounds

Authors

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Book

New and Future Developments in Microbial Biotechnology and Bioengineering

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Description

Not long ago, new industrial products were developed using fungal secondary metabolites. Fungi have numerous secondary metabolites such as terpenoids, xanthones, steroids, phenols, chinones, tetralones, cytochalasins, enniatins, benzopyrones, flavonoids, alkaloids, cardiac glycosides, tannins, and saponins. In recent years, cancer has become a dreadful disease all over the world, and more than 6 million new cases are reported every year. Fungi have tremendous chemical diversity, and they also play important roles in the development of numerous clinically useful anticancer agents. The productivity and vulnerability of novel metabolites from microorganisms make them essential, readily available, renewable, and everlasting sources of novel structures bearing pharmaceutical potential. Shrewdness from fungal research could provide substitute methods of natural product drug discovery that could be reliable ...

Scholar articles

Fungal secondary metabolites: A potential source of anticancer compounds
S Vijayalakshmi, K Karthik, AWF Crossia, G Subashini... - New and Future Developments in Microbial ..., 2020
All 2 versions