

**PSG College of Pharmacy  
Coimbatore**

**Research Fellowship Programs**

**(INSA & BIIS)**

The Institution encourages the active participation of the under graduate students (B.Pharm & Pharm D) in research & development and provide opportunities to take part in various research fellowship programs. The student shall obtain a faculty mentor to assist in the selection of research topic, completion and submission of proposal form to competent authority. Upon selection to the fellowship program, the student would receive a hands on research experience in specific field. From 2017 onwards, about 10-15 students apply for the fellowship Program. The year wise student list and their project details are given below.

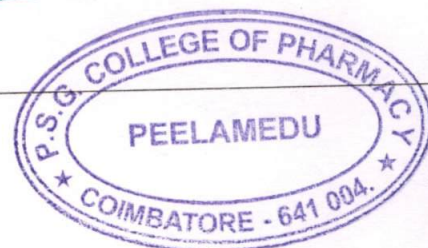
**2017**

5<sup>th</sup> PharmD students of PSGCP, **Eldose Jose and P Janani** were selected from a national field of applicants for the Biotech Ignition Innovation School (BIIS) held at Ahmedabad, Gujarat from 9-29 December 2017. BIIS, a twenty one days program organized by SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) in collaboration with BIRAC (Biotechnology Industry Research Assistance Council, Department of Biotechnology, Govt. of India) selected students from all over all India got a chance to work for validating, value adding and product development around grassroots innovations in the field of human health, animal health, and agriculture.

During BIIS, the selected students were assigned individual projects in primarily three action-research areas drawing upon mainly Honey Bee Network. Among 47 participants, two students got selected for participating in the BIIS program from PSGCP.

The projects done by Eldhose and Janani are listed below

1. Evaluation of growth- inhibiting effect of *Nerium indicum* L.extract on insect cell suspension of *Spodoptura litura* – Eldhose Jose
2. Anti-dysentery effects of *Mangifera indica*, *Phyllanthus emblica* and *Syzygium cumini* and its phytochemicals. – P. Janani



**Balaji N**, Third year B.Pharm student was assigned to Dr. Ganesh Chandra Sahoo, who is a scientist C in Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna, Bihar which is an ICMR funded Institute. His short term project was based on synthesis, characterization and *in vitro* performance evaluation of nanoparticles for antiviral activity. During the course of 56 days, he was introduced to the following,

1. Basics of research methodology
2. The art of finding and reading scientific articles
3. Basics of writing a review article / short scientific communications
4. Various operational levels of Government funded Laboratories
5. Various tools in Virology laboratories
6. Basics of Bioinformatics and its applications

**Ms Fashila Banu A** of third Year B.Pharm got selected by Indian Academy of Sciences and underwent summer research fellowship program in IISER, Bhopal for 2 month

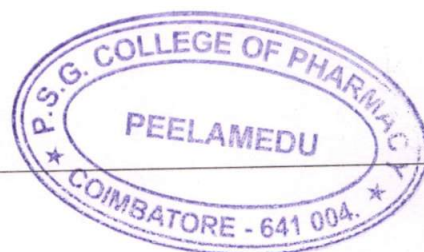
## 2018

- **Ms D Haritha** final year BPharm student PSGCP and **Ms S Sharmila** Final Year PharmD student PSGCP were selected for the Biotechnology Innovation and Ignition Scheme (BIIS) held at Ahmedabad from 5-26 Feb 2018. As part of the scheme, the students worked on natural drug sources for anti-diarrhoeal and urinary tract infections.
- **Arvinth Kumar.S**, underwent Summer Research Fellowship program at the Institute of Genomics and Integrative Biology (IGIB), New Delhi under the guidance of Dr. Sivaprakash Ramalingam from 14 May 2018 to 10 July 2018 (56 Days). He worked on the design, synthesis, and cloning of synthetic guide RNA for genomic engineering and was given hands-on training on Cloning, Transformation, Colony PCR, and Plasmid isolation.





- **K.Bharathi** of Final B.Pharm was offered a fellowship to work under Dr.Shinjini Bhatnagar, Dean, Translational Health Science and Technology Institute, Gurgaon on the project titled " Optimization of Placental Protein Isolation Protocol for Proteomics". The project was completed successfully with the support of my guide Dr.Shinjini Bhatnagar and co-guide Dr.Pallavi Kshetrapal, Associate Professor, THSTI.
- **ArunPrasath D** of Final B.Pharm worked under the guidance of Prof. Maneesha Shreedhar Inamdar by 25th sept 2019 to 23rd Nov 2019 on the title "To look at the endosomal gene expression in Drosophila hematopoietic system" in Jawaharlal Nehru Centre for Advanced Science and Research, Bengaluru. He gained knowledge on techniques such as Sense and Anti sense RNA Synthesis, DNA isolation from Drosophila flies, Western blotting, Fluorescence microscopy, Fly transfer techniques, etc., He was provided a hand on experience in PCR and Agarose gel electrophoresis.
- **Karthikeyan** of Final B.Pharm did his Summer research fellowship from Dept of Biotechnology, the University of Delhi-South campus-sponsored jointly by the Academy of Sciences under the guidance of Prof. Alo Nag, on "Role of Ubiquitin Proteasome Complex in HPV induced Cervical Cancer". The fellowship has provided him with great exposure to the research setting and current trends in the field of biotechnology.
- **Karthick Kannan.R** of Final B.Pharm carried out fellowship on 'Splicing Analysis of Human 45S rRNA' under the guidance of Dr.Indumathi Mariappan, Research Scientist, Center for Ocular Regeneration, L.V. Prasad Eye Institute, Hyderabad. He was taught various technique in the field of research such as DNA & RNA isolation, cDNA conversation, Plasmid isolation, Primer designing, Polymerase Chain Reaction (PCR) techniques and Gel electrophoresis.





# BIRAC-SRISTI

## Biotech Innovation Ignition School (BIIS)

December 9 - 29, 2017



### Certification of Participation

This is to certify that Mr./Ms. **Eldhose Jose** has participated in BIIS for validation, value addition and product development around grassroots innovations. He/she has contributed earnestly on the project entitled **Evaluation of growth-inhibition effect of *Nerium indicum* L. leaves extract on insect suspension cell culture of *Spodoptura litura***. We hope that he/she will continue to support and cooperate with Honey Bee network and SRISTI in blending formal and informal science and technology for empowering grassroots innovators.

**Prof. Anil K Gupta**

Coordinator, SRISTI, Ahmedabad







# BIRAC-SRISTI Biotech Innovation Ignition School (BIIS)

December 9 - 29, 2017



## Certification of Participation

This is to certify that Mr./Ms. **Janani P** has participated in BIIS for validation, value addition and product development around grassroots innovations. He/she has contributed earnestly on the project entitled **Anti-dysentery and phytochemical studies of the mixture of *Mangifera indica*, *Phyllanthus emblica* & *Syzygium cumini***. We hope that he/she will continue to support and cooperate with Honey Bee network and SRISTI in blending formal and informal science and technology for empowering grassroots innovators.

Prof. Anil K Gupta  
Coordinator, SRISTI, Ahmedabad





**BIRAC-SRISTI**  
**Biotech Innovation Ignition School (BIIS)**

February 5 - 26, 2018



**Certification of Participation**

This is to certify that Ms. **Sharmilaa D.** has participated in BIIS for validation, value addition and product development around grassroots innovations. She has contributed earnestly on the project entitled **Anti microbial, anti oxidative and anti inflammatory activities of *Heracleum candicans* against UTI.** We hope that she will continue to support and cooperate with Honey Bee network and SRISTI in blending formal and informal science and technology for empowering grassroots innovators.

**Prof. Anil K Gupta**  
Coordinator, SRISTI, Ahmedabad







Indian Academy of Sciences  
Bengaluru



Indian National Science Academy  
New Delhi



The National Academy of Sciences, India  
Allahabad

# SUMMER RESEARCH FELLOWSHIP PROGRAMME

## CERTIFICATE

*This is to certify that Mr N Balaji worked on a project entitled "Development and biomedical application of green synthesis based nanoformulation against H1N1 virus" during September–November 2017 as a Summer Research Fellow under the supervision of Dr Ganesh Chandra Sahoo, Rajendra Memorial Research Institute of Medical Sciences, Patna. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Allahabad).*

*Place: Bengaluru*

*Date: 08-01-2018*



*KL Sebastian*

*K.L. Sebastian*

*Chairman, Science Education Panel*

INDIAN ACADEMY OF SCIENCES

P.B. No. 8005, C.V. Raman Avenue, Sadashivanagar P.O., Bengaluru 560 080, India

Email: sumfel@ias.emet.in



SRFP 2017



Home

## Science Academies' Summer Research Fellowship Programme for Students and Teachers 2017

Last Name  Search Last Updated on 04/10/2018**Please note:**

- 1) Letters of selection will be sent to selected candidates within 25 days from the date of announcement of selection (interim enquiries will not be attended to).
- 2) No telephone/email enquiries regarding the selections, change of guide, etc will be entertained.
- 3) For some reason if a selected candidate is not able to accept the fellowship, he/she is requested to send an email to [jointsrf@ias.ac.in](mailto:jointsrf@ias.ac.in) followed by a hard copy of the letter to the Academy.

### List of selected candidates

#### LIFE SCIENCES

Displaying 1-1 of 1

Sl.	Appl	Name & Affiliation	Student/Teacher	Guide / Institution
1	LFS2433	<b>Fashila Banu, Ms A.</b> P.S.G. College of Pharmacy, Coimbatore	Student	Mishra, Dr Ram Kumar IISER, Bhopal



THS/5.1.1 (Vol.III)/28

Dated: 20<sup>th</sup> December 2019

### TO WHOM IT MAY CONCERN

This is to certify that **Ms. K. Bharathi** student of **PSG College of Pharmacy, Coimbatore**, has successfully completed her IAS summer research fellowship program for the period of 16<sup>th</sup> September 2019 to 13th November 2019 while working on the project titled **“Optimization of Isolation Protocols of Proteins Obtained from Human Placental Tissue for Performing Proteomics by Mass Spectrometry”** under the supervision of Dr. Shinjini Bhatnagar at the Translational Health Science and Technology Institute, Faridabad.

  
Supervisor

  
In charge(Academics)

**Dr. Samrat Chatterjee**  
Academics - In Charge

Translational Health Science and Technology Institute  
(An autonomous institute of the Deptt. of Biotechnology, Govt. of India)  
NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurugram Expressway,  
PO Box No. 04, Faridabad-121001 Haryana, India

डॉ. शिंजिनी भटनगर / Dr. Shinjini Bhatnagar  
डीन, वैद्यकीय अनुसंधान / Dean Clinical Research  
अध्यापक / Professor  
प्रमुख, बाल चिकित्सा केंद्र विज्ञान / Head Pediatric Biology Centre  
ट्रांसलेशनल स्वास्थ्य विज्ञान एवं प्रौद्योगिकी संस्थान  
(एन आर बी टेक साइंस क्लस्टर के वैद्य-प्रौद्योगिकी विभाग का एक स्वायत्त संस्थान)  
Translational Health Science and Technology Institute  
(An autonomous institute of the Deptt. of Biotechnology, Govt. of India)  
NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurugram Expressway,  
PO Box No. 04, Faridabad-121001 Haryana, India



## SUMMER RESEARCH FELLOWSHIP PROGRAMME CERTIFICATE

*This is to certify that Mr R Karthick Kannan worked on a project entitled "Splicing analysis of human 45S rRNA" during September - November 2019 as a Summer Research Fellow under the supervision of Dr Indumathi Mariappan, LV Prasad Eye Institute, Hyderabad. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).*

*M. R. N. Murthy*

*Place: Bengaluru*

*Date: 03-01-2020*

*M.R.N. Murthy*

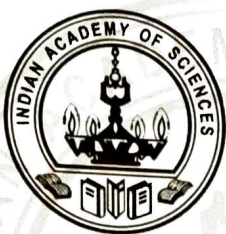
*Chairman, Science Education Panel*



INDIAN ACADEMY OF SCIENCES

C. V. Raman Avenue, Post Box No. 8005, Raman Research Institute Campus, Sadashivanagar, Bengaluru 560 080, INDIA





## SUMMER RESEARCH FELLOWSHIP PROGRAMME CERTIFICATE

*This is to certify that Mr D Arunprasath worked on a project entitled "To look at the endosomal gene expression in Drosophila hematopoietic system" during September - November 2019 as a Summer Research Fellow under the supervision of Professor Maneesha Shreedhar Inamdar, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).*

*Place: Bengaluru*

*Date: 03-01-2020*

*M. R. N. Murthy*

*M.R.N. Murthy*

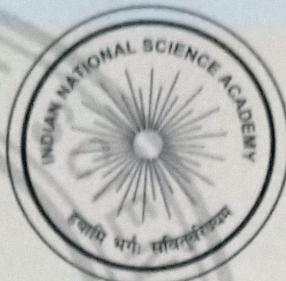
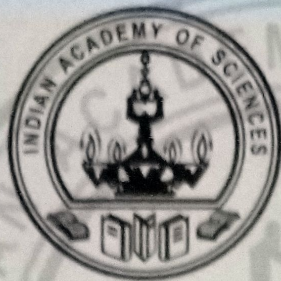
*Chairman, Science Education Panel*



INDIAN ACADEMY OF SCIENCES

C. V. Raman Avenue, Post Box No. 8005, Raman Research Institute Campus, Sadashivanagar, Bengaluru 560 080, INDIA





## SUMMER RESEARCH FELLOWSHIP PROGRAMME CERTIFICATE

*This is to certify that Mr Karthi Keyan worked on a project entitled "Role of ubiquitin proteasome pathway in cancer" during September - November 2019 as a Summer Research Fellow under the supervision of Professor Alo Nag, University of Delhi South Campus, New Delhi. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).*

*M. R. N. Murthy*

*Place: Bengaluru*

*Date: 12-12-2019*

*M. R. N. Murthy*

*Chairman, Science Education Panel*





**PSG College of Pharmacy, Coimbatore-4**  
**SRISTI - Biotech Ignition Innovation School (BIIS) 2017 & 2018**



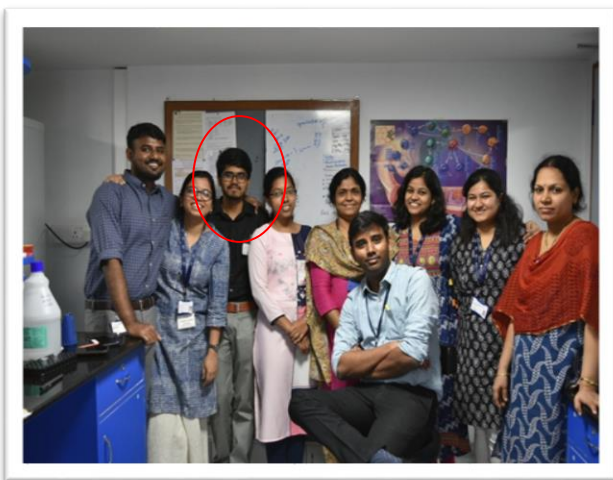
SRISTI - Biotech Ignition Innovation School (BIIS) held at Ahmedabad, Gujarat from 5-26  
Feb 2018



SRISTI - Biotech Ignition Innovation School (BIIS) held at Ahmedabad, Gujarat from 9-29  
December 2017

**Dr. M. Ramanathan**  
Principal

**PSG College of Pharmacy, Coimbatore-4**  
**Summer Research Fellowship Program 2019**



**Karthick Kannan R in SRF training**



**Karthikeyan in SRF training**



**Bharathi K in SRF training**

**Dr. M. Ramanathan**  
Principal