

2018-2019

1. NATIONAL-LEVEL COMPETITION FOR STUDENTS – E CELL FEST

DEPARTMENT OF BOTANY, PAYYANUR COLLEGE, PAYYANUR

National-level competition for students - E Cell Fest

(an IIT Kharagpur event)

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Two-day workshop Novel Synthesis and Biofunctionalisation of GNPs & AgNs for anticancer activity

The Department of Botany at Payyanur College, Payyanur, hosted the first round of a **national-level competition for students** in association with E Cell Fest (an IIT Kharagpur event) on **January 11th and 12th, 2019**. The competition took the form of a two-day workshop based on the topic 'Novel Synthesis and biofunctionalisation of GNPs & AgNs for anticancer activity'. At the end of the workshop, five students were selected to participate in the second round, which was scheduled to be held at IIT Kharagpur.

Aims:

- 1.To promote innovation and scientific research in the field of nanotechnology and cancer therapy.
- 2.To encourage students to explore novel approaches to combat cancer using nanoparticles.
- 3.To foster collaboration between educational institutions and industry experts.

Participants are required to synthesize gold nanoparticles (GNPs) and silver nanoparticles (AgNs) using innovative methods in the first round of competition. Following this, the nanoparticles will be subjected to biofunctionalization with specific ligands or molecules intended to augment their potential as anticancer agents. Subsequently, the biofunctionalized nanoparticles will undergo in vitro assessments to determine their effectiveness in impeding the growth of cancer cells. The program will also include an investigation into the safety and compatibility of these nanoparticles with non-cancerous cells, which is an integral part of second round. Industrial Training Expert Ms. Jyoti Bala conducted the workshop, and, in the end, the following five students were chosen. Unfortunately, due to their

university examinations overlapping with the competition date, they were unable to attend the second round held at IIT Kharagpur. The program was in association with makeintern.com, which provides opportunities for students to excel in scientific skills.



LIST OF STUDENTS SELECTED FOR THE SECOND ROUND – IIT KHARAGPUR EVENT

Sl. No	Name of the Student	Class	Institution	Contact details
1	Abhiram	I BSc Botany	Payyampur College, Payyampur	abhiramcheruthazham55@gmail.com , 7356517963
2	Sidharth S Nair	II BSc Botany	Payyampur College, Payyampur	sidharths1interval@gmail.com , 9400338214
3	Nikhil	III BSc Botany	Payyampur College, Payyampur	nikhimohan015@gmail.com , 9567331533
4	Sreesha K M	I BSc Zoology	Payyampur College, Payyampur	sreeshakunambiar@gmail.com , 9188251320
5	Theertha Dinesh	III BSc Botany	Sreenarayana College, Kannur	theerthadinesh77@gmail.com , 8078957076

Inaugural session



Workshop sessions



The faculties of the Botany Department and the Trainer with the students selected for the second round.



PAYYANUR COLLEGE
E cell 2K18-19- IIT Kharagpur Event
REGISTRATION LIST

Sl No.	NAME	DEPARTMENT	INSTITUTION
1	ABHIRAM K	BOTANY	PAYYANUR COLLEGE
2	AISWARYA K	ZOOLOGY	PAYYANUR COLLEGE
3	AISHWARYA M	BOTANY	PAYYANUR COLLEGE
4	AJITH K	BOTANY	PAYYANUR COLLEGE
5	AMRITHA C	BOTANY	PAYYANUR COLLEGE
6	AMRITHA C	BOTANY	PAYYANUR COLLEGE
7	ANAGHA P	ZOOLOGY	PAYYANUR COLLEGE
8	ANAGHA P	BOTANY	S N College
9	ANALI C	BOTANY	PAYYANUR COLLEGE
10	ANJANA P P	BOTANY	PAYYANUR COLLEGE
11	ANJANA S N	BOTANY	PAYYANUR COLLEGE
12	ANJANA T	BOTANY	PAYYANUR COLLEGE
13	ANJITHA P	BOTANY	S N COLLEGE
14	ANU KRISHNAN	PHYSICS	PAYYANUR COLLEGE
15	ANUPAMA SADANANDAN	BOTANY	PAYYANUR COLLEGE
16	ANUPRIYA N V	BOTANY	PAYYANUR COLLEGE
17	ANUSREE K P	BOTANY	PAYYANUR COLLEGE
18	ANUSREE K V	ZOOLOGY	PAYYANUR COLLEGE
19	ANUSREE P	ZOOLOGY	PAYYANUR COLLEGE
20	ANUSREE S	BOTANY	PAYYANUR COLLEGE
21	APARNA K	BOTANY	PAYYANUR COLLEGE
22	ARCHANA BALAKRISHNAN	BOTANY	PAYYANUR COLLEGE
23	ARYA K V	BOTANY	PAYYANUR COLLEGE
24	ARYA VINOD	BOTANY	PAYYANUR COLLEGE
25	ASWATHY K	BOTANY	PAYYANUR COLLEGE
26	ASWIN CHANDRAN N V	PHYSICS	PAYYANUR COLLEGE
27	ASWINI P	BOTANY	PAYYANUR COLLEGE
28	ASWINI RAGHU	ZOOLOGY	PAYYANUR COLLEGE
29	ATHIRA V	BOTANY	PAYYANUR COLLEGE
30	ATHULYA P P	ZOOLOGY	PAYYANUR COLLEGE
31	AYSHATHU SADIYA	BOTANY	PAYYANUR COLLEGE
32	CHRISTENA M SAIMON	BOTANY	PAYYANUR COLLEGE
33	DILNA CHANDRAN	BOTANY	PAYYANUR COLLEGE
34	EBIN BABU	BOTANY	PAYYANUR COLLEGE
35	JASEERA A	BOTANY	PAYYANUR COLLEGE
36	JISHNU GANESH A	BOTANY	PAYYANUR COLLEGE
37	KAVYA P V	BOTANY	PAYYANUR COLLEGE
38	LAKSHYA K	BOTANY	PAYYANUR COLLEGE
39	MANULISHA V	BOTANY	PAYYANUR COLLEGE
40	MEGHAV C	BOTANY	PAYYANUR COLLEGE
41	MITHUNA B P	ZOOLOGY	PAYYANUR COLLEGE
42	NANDHANA RAJEEVAN	BOTANY	PAYYANUR COLLEGE
43	NAVYAMOL P V	BOTANY	PAYYANUR COLLEGE
44	NAVYASREE N P	BOTANY	PAYYANUR COLLEGE
45	NAVYANA A	BOTANY	PAYYANUR COLLEGE
46	NAVYANA T K	BOTANY	PAYYANUR COLLEGE
47	NIKHIL K	BOTANY	PAYYANUR COLLEGE
48	P ANJANA VINOD	BOTANY	PAYYANUR COLLEGE
49	PRADEEP M N	BOTANY	PAYYANUR COLLEGE
50	PRAVISHA P P	BOTANY	PAYYANUR COLLEGE
51	RITHUNJANO C	BOTANY	PAYYANUR COLLEGE
52	SHANVA SURESH	BOTANY	PAYYANUR COLLEGE
53	SHANVA MOL P N	BOTANY	PAYYANUR COLLEGE
54	SIDHARTH S NAIR	BOTANY	PAYYANUR COLLEGE
55	SREELAKSHMI LAKSHMANAN	BOTANY	PAYYANUR COLLEGE
56	SREESHA K M	ZOOLOGY	PAYYANUR COLLEGE
57	THEERTHA DINESH P V	BOTANY	S N COLLEGE
58	VAISHNAV V	PHYSICS	PAYYANUR COLLEGE
59	VINDA E	BOTANY	PAYYANUR COLLEGE
60	VISHNA DAS P V	BOTANY	PAYYANUR COLLEGE

(Signature)
Dr. HARIKRISHNAN E
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