



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

S207

Report

Academic Year 2020-2021

Name of the Event: National level online workshop on ‘Tools and techniques in Biological research’

Date & Time: 06.10.2020, 10am to 12am ,1 pm to 3pm (AN),07.10.2020, 10am to 12am

Mode: ONLINE (Google Meet) - pyg-oygr-ess and tfs-zyfh-gbk

**Organized by: PG Department of Zoology Vimala College (Autonomous)
Thrissur**

**Collaboration (if any): Supported by DBT-STAR COLLEGE SCHEME,
Ministry of Science and Technology, Government of India**

No. of participants: 130

Report

Dr.Binsi Pillai spoke on marine biomolecules and its future scope in research. Even before the development of the idea to exploit marine biomolecules for human needs (pharmaceuticals, cosmetics, etc.), the interest for such compounds is implicit when one ponders the astonishingly basic definition of marine biotechnology as “a natural extension of cultural practices of garnering food from the ocean”. The importance of the carbohydrate class of biomolecules in marine environment is highlighted by the resource person in detail. The session was highly informative and knowledge providing. Students and Faculties of different institutions attended this webinar through Google meet platform. The webinar was rated successful by participants

Dr.Priyaja engaged a topic on sampling techniques for the pollutants in marine ecosystem. She spoke on the Microplastic pollution of the marine environment. Marine microplastics predominantly originate near the coast and can remain in the nearshore zone for some time. However, at present, there is little understanding of the fate and transport of microplastics in coastal regions. She

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explained various sampling techniques of water and sediments from the marine ecosystem and tools and techniques.

Dr. Kayeen Vadakkan spoke on future aspects and applications of innovative biotechnological tools in improving socio-economical balance. Two novel approaches, the use of *Agrobacterium*-transformed plant roots and mycelia cultures of fungi, are considered as research tools in the study of the remediation of soil, groundwater, and biowastes. Transformed roots are excellent model systems for screening higher plants that are tolerant of various inorganic and organic pollutants, and for determining the role of the root matrix in the uptake and further metabolism of contaminants. Edible and/or medicinal fungi may also be natural environmental remediators. Liquid cultures of fungal mycelia are appropriate model systems with which to commence screening and biochemical studies in this under-researched area of biotransformation. Talk was highly informative.

Brochure



Vimala College Autonomous, Thrissur
 Affiliated to the University of Calicut, College with potential for excellence (CPE)
 NAAC Reaccredited (3rd cycle) with A grade with CGPA 3.5



About DBT
Department of Biotechnology (DBT) under the Ministry of Science and Technology, over the past 40 years, has given a new impetus to the developments in modern biology and biotechnology. The Department of Biotechnology has been supporting undergraduate science education in the country under "Star College Scheme" and there has been considerable change in the scenario of basic science education.

About Star College Scheme
Star College Scheme has been initiated by DBT in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT is committed to the values of: (i) Pursuit of excellence (ii) Academic and intellectual freedom (iii) Creativity and innovation (iv) Diversity of Cooperation and Communication (v) Accountability. DBT has therefore, launched a scheme for improving critical thinking and hands-on experimental work at undergraduate (college) level in sciences. It is expected to encourage more students to take up higher education in sciences.

About Department of Zoology
Department of Zoology offers a mesmerizing journey into the fascinating world of animals and their interactions with the environment. It provides students with contemporary high-quality instructive education in life processes, with emphasis on animal science. The Department came into existence in 2007 under the eminent leadership of Prof. Dr. Suresh. Department focus is on the enhancement of student excellence through their experience of the fundamentals of life processes, which ultimately leads to their progress in the society. Both under graduate and post graduate courses are being offered by the Department, which is facilitated through excellent infrastructure and qualified faculty members. Department has selected under DBT Star College Scheme, Ministry of Science and Technology, Govt of India in 2019-2020.

Day 1: 06/10/2020 - 10.00 AM - 12.00 PM

- **Marine biomolecules: Research directions and future dimensions**
- Resource Person: Dr. Binai P. K. Scientist, Fish Processing Division, Central Institute of Fisheries Technology (Govt. of India), Kochi

Day 1: 06/10/2020 - 1.00 PM - 3.00 PM

- **Tools and techniques for sampling and analysis of pollutants in the aquatic ecosystem.**
- Resource Person: Dr. Priyaja P, Assistant Professor, Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science and Technology, Kochi

Day 2: 07/10/2020 - 10.00 AM - 12.00 PM

- **Future aspects and applications of novel biotechnological techniques in improving socio-economical balance.**
- Resource Person: Dr. Kayeen Vadakkan, Assistant Director, Marian Centre for Advanced Research, St. Mary's College, Thrissur



Department of Zoology
Organizes Two days National level Online Workshop on
"Tools and Techniques in Biological Research"
on 6th & 7th October 2020.

**Funded by DBT-Star College Scheme
Department of Biotechnology, Ministry of Science & Technology, Government of India**

Organizing Committee
Chief Patron: Dr. Sri Beena Jose, Principal
Coordinator: Dr. Honey Sebastian, HoD
Members
Dr. Petrusa Joseph, Dr. Freebarani John,
Dr. Sheeba P., Sr. Freery Jacob
Student Coordinators
Ms. Albeta Maria J, Ms. Gopika K,
Ms. Kochunani Chacko, Ms. Fathima Nazim
Contact No. +919744634636
Email: honeysebastian28@gmail.com


 Dr. Binai P. K.


 Dr. Priyaja P.


 Dr. Kayeen Vadakkan

✓ No registration fee
✓ E-certificate will be issued after submitting the feedback forms of both the days

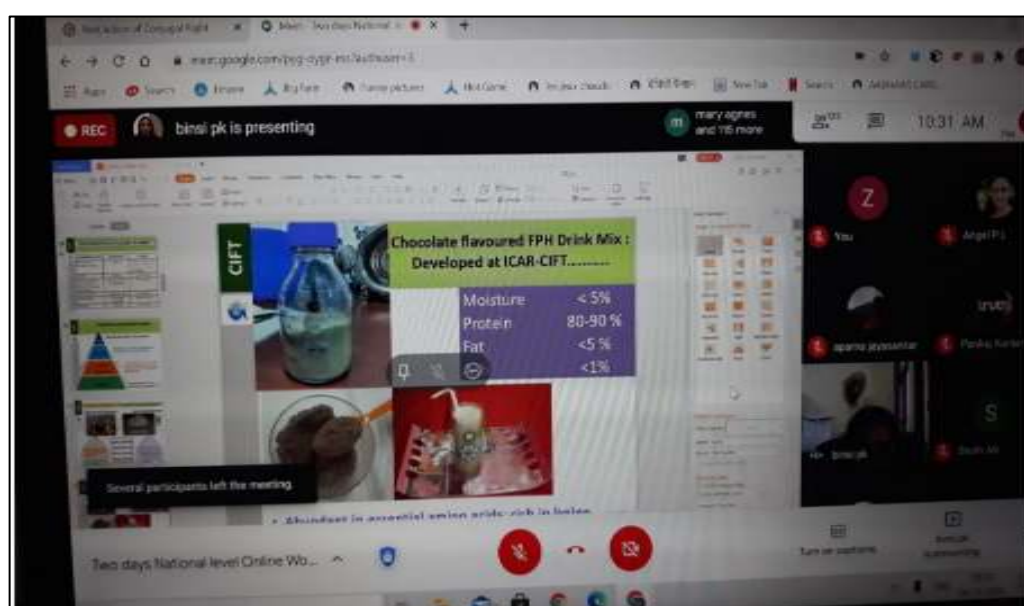
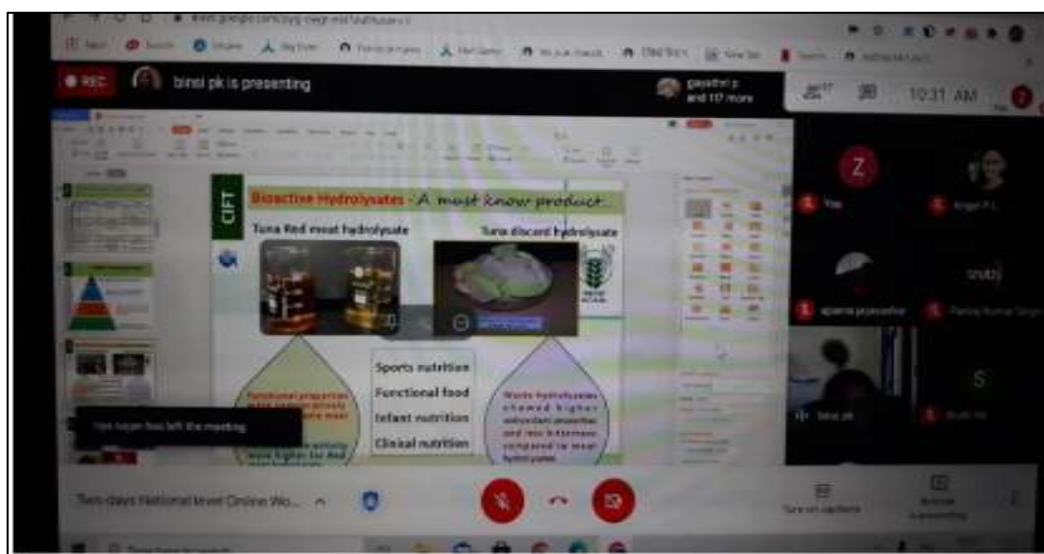
• Registration Link: <https://forms.gle/4H2Dovv7H8-2NDW7n>
• Meeting Link will be send to the registered Email ID



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Photos

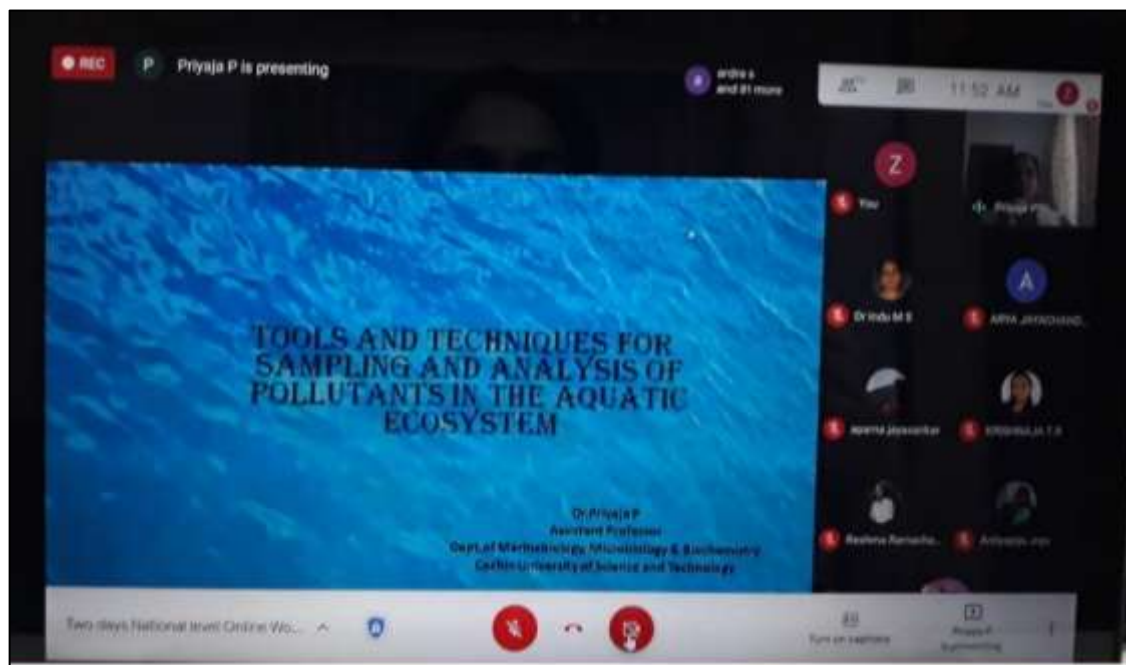
Session 1 Dr.Binsi Pillai





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Session 2 Dr.Priyaja

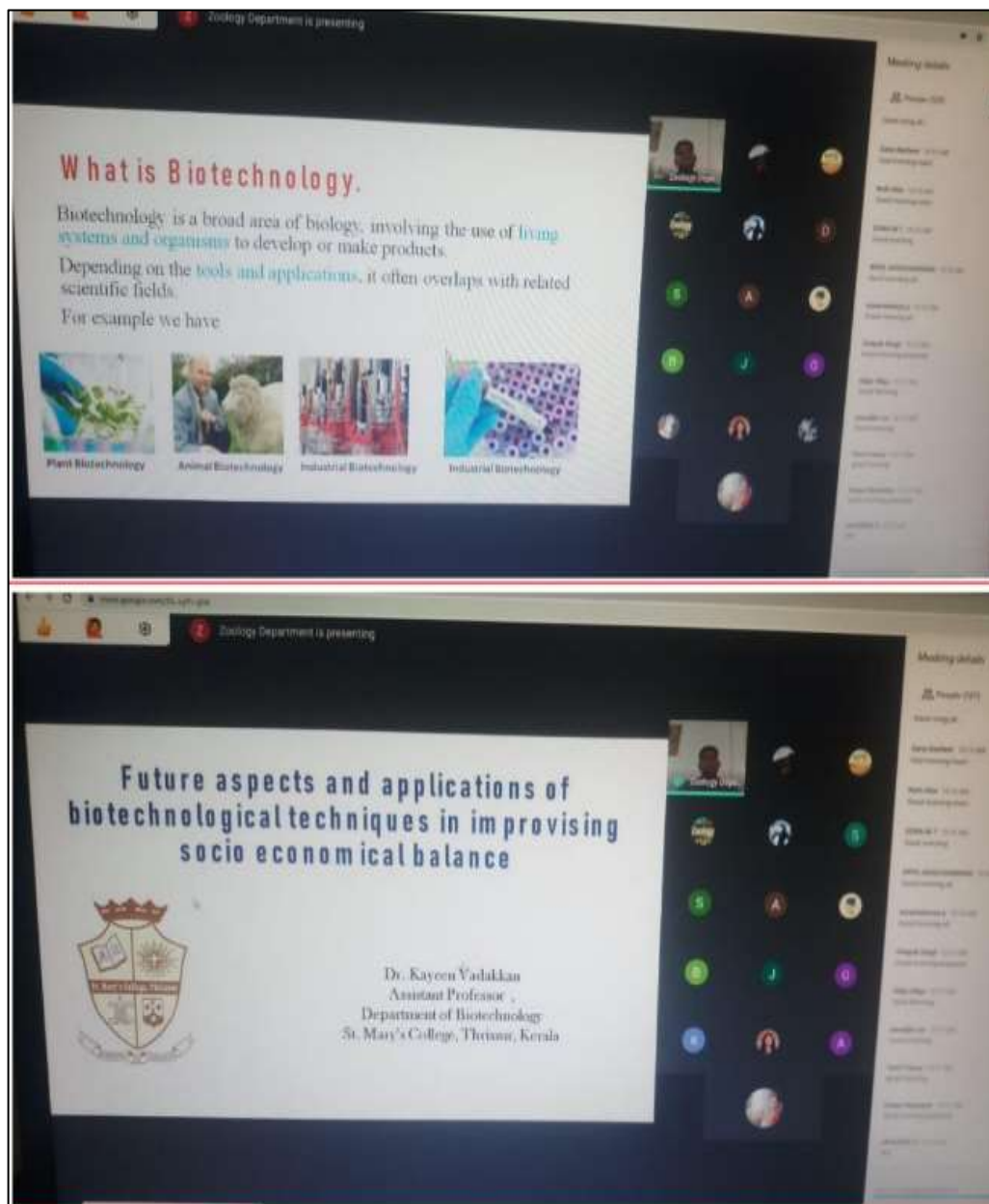


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Session 3 Dr.Kayeen



List Of Participants

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VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Name	Institute
1. Gopika T G	Vimala College Thrissur
2. Stemy Mj	Vimala College Thrissur
3. Aneeta Renny	Vimala College, Thrissur
4. Riya Sajan	Vimala College Thrissur
5. Merlin K Regi	Vimala College Thrissur
6. Haritha H	Vimala College Thrissur
7. Archana N S	Vimala College, Thrissur
8. Agnes Jos C	Vimala College, Thrissur
9. Jayasree S	Maharaja's College Ernakulam
10. Angel P.L	Vimala College Autonomous Thrissur
11. Anjali Rajendran	Vimala College Thrissur
12. Ardra S Nair	Vimala College Thrissur
13. Asha Varghese	Vimala College, Thrissur
14. Anitha C J	Vimala College Thrissur
15. Rose Mariya P.L	Vimala College Autonomous Thrissur
16. Athira A S	Vimala College, Thrissur
17. Jubin Thomas	University Of Madras
18. Dr S Jisha	S N College, Kollam
19. K. Tamilarasan	University Of Madras, Chennai
20. M Maneesha Manikandan	Vimala College, Thrissur
21. Jeslin Johnson	Vimala College Thrissur
22. Femi Francy	Vimala College Thrissur
23. Aiswarya Kh	Vimala College Thrissur
24. Shihabudeen A.S.	Sngs College Pattambi
25. Sandra Soosan Aby	Vimala College, Thrissur
26. Nima Baby	Vimala College Autonomous Thrissur
27. Varsha C Mohanan	St. Mary's College, Thrissur
28. Ann Mariya Joseph A J	Vimala College Thrissur
29. Anagha.K.U	Vimala College, Thrissur
30. Sandra S N	Vimala College Thrissur
31. Gopika Kr	Vimala Collage Autonomous Cheroor Thrissur
32. Aiswarya James	Vimala College Thrissur
33. Mubasheera K	St.Thomas' College Thrissur
34. Kochurani Chacko	Vimala College Thrissur
35. Meera K M	Vimala College Autonomous Thrissur
36. Joshna Jerry	Vimala Collage Thrissur
37. Jemimah Persis M	University Of Madras, Guindy Campus
38. Arya.K	Vimala College (Autonomous)
39. Sr Freny Jacob	Vimala College, Thrissur
40. Claire Jerry	Vimala College(Autonomous) Thrissur
41. Anusree N B	Vimala College
42. Gopika Ramesh V	Vimala College
43. Bincy C. V	Vimala College
44. Liya K Kurian	Vimala College Autonomous Thrissur
45. Reshma Jeffery	Vimala College (Autonomous) Thrissur
46. Athira C A	Vimala College, Thrissur
47. Sona M T	Vimala College Thrissur
48. Sana Basheer	Vimala College Thrissur
49. Dr Dixy B A	Vimala College
50. Dr. Preeji K P	University Of Madras, Chennai
51. Deepakrajasekar.P	Vimala College
52. Hema Joemon	Vimala College, Thrissur

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53. Anitt Annmary Mathew	Vimala College
54. Nimitha P A	Vimala College (Autonomous) Thrissur
55. Albetha Maria J	Vimala College Thrissur
56. Bincy Anna M S	Centre For Animal Taxonomy And Ecology, Department Of Zoology, Christ College (Autonomous), Irinjalakuda
57. Sumesh N V	Indian Institute Of Technology (Banaras Hindu University)
58. Pankaj Kumar Singh	Cusat, Kochi, Ernakulam
59. Soumya K R	Vimala College (Autonomous)
60. Aysha Hyrin Najeeb	Vimala College. Thrissur
61. Aparna J	Vimala College Autonomous Thrissur
62. Suvarnakavya.P	Vimala College Thrissur
63. Gilga T S	Vimala College Thrissur
64. Prasad N K	Kktn Government College, Pullut
65. Emerin Denny	Vimala College Autonomous Thrissur
66. Reshma K Ramachandran	Christ College Autonomous Irinjalakuda
67. Sona Joshy	Vimala College, Thrissur
68. Della Marya Ps	Vimala College, Thrissur
69. Jisna P J	Jisna P J, Vimala College, Thrissur
70. Jasmine Paul C	Thrissur & Vimala College
71. Mahima Ramachandran	Vimala College(Autonomous)Thrissur
72. Ruth T Alexander	Vimala College Thrissur
73. Honey Sebastian	Vimala College, Thrissur
74. Helna Johnson	Vimala College (Autonomous) Thrissur
75. Anagha V	Vimala College Thrissur
76. Ranjana P Regi	Vimala College (Autonomous)Thrissur
77. Riya Abraham	Vimala College , Thrissur
78. Sisira K S	Amala Cancer Research Centre, Thrissur
79. Anjanasree V V	Vimala College (Autonomous) Thrissur
80. Urmila Ranjith	Vimala College Autonomous, Thrissur
81. Betty. T. B	Vimala Autonomous Collage, Thrissur
82. Sukanya P.S.	Carmel College Mala
83. Dr Sheeba P	Vimala College (Autonomous), Thrissur
84. Gopika K	Vimala College (Autonomous), Thrissur
85. Dr A Mary Agnes	Auxilium College Vellore 6
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88. Krishnaja Tr	Vimala College (Autonomous)Thrissur
89. Kesiya Saji	Vimala College ,Thrissur
90. Jeewiljes. V. W	Vimala College Autonomous Thrissur
91. Christeena Benny	Vimala College, Thrissur
92. Dr.Feebarani John	Vimala College Thrissur
93. I Farhath Matheen	Madras Christian College, Tambaram.
94. Mrs Anuradha K	Jaya College Of Education Chennai
95. Ravi Babu Birudu	Acharya Nagarjuna University,Guntur
96. Danya Babu Ravuru	Acharya Nagarjuna University, Andhra Pradesh
97. Anjana Nandan	Vimala College (Autonomous)Thrissur
98. Sreya.A.V	Vimala College(Autonomous),Thrissur,Kerala
99. Aishwarya P	Vimala College,Thrissur
100. Vaishnavi Suresh	Vimala College
101. Aleeshajiji	Vimala College Thrissur
102. Dr Indu M S	Vimala College (Autonomous), Thrissur
103. Bincy Anna M S	Vimala College Thrissur
104. Anliya Joju	Vimala College Autonomous Thrissur ,Kerala

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105.	Silpa Prabha	Amala Cancer Research Centre, Thrissur
106.	Dr. Emilda Rosmine	Cochin University Of Science And Technology, Kochi, Kerala
107.	Sreya S	Vimala College Thrissur
108.	Delphy Thomson	Vimala College Autonomous Thrissur
109.	Christy K Saju	Vimala College Thrissur
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111.	Anila Varghese	Vimala College Thrissur
112.	Savitha P S	Vimala College (Autonomous) Thrissur.
113.	Arunima K	Vimala College, Trissur
114.	Silla Antony	Vimala College Thrissur
115.	Treesa Rajesh	Vimala College Thrissur
116.	Aparna T	Vimala College, Thrissur
117.	Sandra Sathyan	Vimala College Thrissur
118.	Praveena K	Vimala College Thrissur
119.	Malavika G Krishna	Vimala College Autonomous Thrissur
120.	Irine Shibu	Vimala Collage. Thrissur
121.	Bhagyalakshmi C K	Vimala College Thrissur
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123.	Sruthi M R	Vumala College Thrissur
124.	Eylin P Paul	Vimala College Autonomous, Thrissur
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126.	Aswathi A S	Vimala College (Autonomous) Thrissur
127.	Rosemol Johnson	Vimala College Autonomous Thrissur
128.	Harsha V P	Vimala College Autonomous Thrissur
129.	Mary Ann Martin	Vimala College Thrissur
130.	Silpa Shaiju	Vimala College (Autonomous) Thrissur Kerala

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