

School of Biosciences is student centric:

School of Biosciences employs student-centric approaches in instruction and learning methodologies. In all four semesters of M. SC degree programs, students have regular practical sessions corresponding to the theory topics. Small independent projects are assigned to students during their practical sessions to evaluate their practical skills and theoretical understanding. Students are also encouraged to participate in practice teaching through seminars and discussions, and marks are awarded based on their performance. In IV semester of M.SC programs and II semester of M. Phil program, a major research project is included as a part of the curriculum, which enhances their research aptitude, experimental learning and problem solving. Routinely, invited lectures and interactions with eminent scientists are conducted in the School. Industrial visits are conducted every year to strengthen the student's conceptual knowledge about industrial environment. Open days are organized to foster scientific temper. Programs to inculcate societal responsibility, togetherness and nature consciousness are encouraged in the school. Biofest an annual gathering of students, alumni and teachers act as platform for bonding.

Models for a mini project conducted by the students for first semester M Sc Laboratory Course

PROJECT REPORT



ANALYSIS OF CARBOHYDRATES PRESENT IN HORLICKS

SUBMITTED TO:
DR. ANIE Y
SCHOOL OF BIOSCIENCES
MG UNIVERSITY, KOTTAYAM

SUBMITTED BY:
MARIA GEORGE
NEEMA JOSE
SREELAKSHMI K.

PROJECT

TOPIC: QUALITATIVE ANALYSIS OF CARBOHYDRATES IN
HERSHEY'S SYRUP AND HONEY

SUBMITTED TO,
DR. ANIE Y MAM

SUBMITTED BY,
ANJALI C
ANUSHA JOICE SAJI
ADRAPARVATHY T J
DIVYA VINOD A
GRESHMA PANKAJ
IBTHISAM
KAVYA K K
SREEPRIYA S

1

Students are encouraged to participate in Industrial Training



CERTIFICATE

This certificate is presented to

Ms. Anjitha Ajith

on completion of the

Biotech Industrial Training Programme 2017-18

at Aurigena Discovery Technologies Ltd., Bengaluru from
26.12.17 to 25.06.18 in the area of
"Immune check point: A potent target in onco-therapy"

Sponsored by
Department of Biotechnology
Government of India

Organized by
Biotech Consortium India Limited
New Delhi



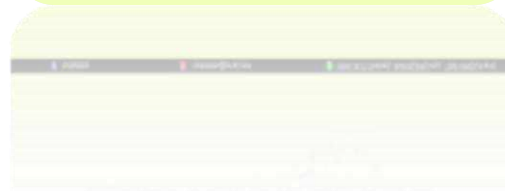
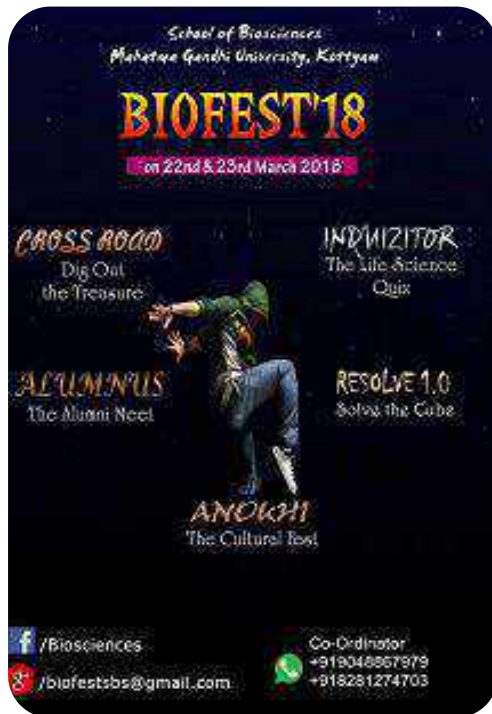


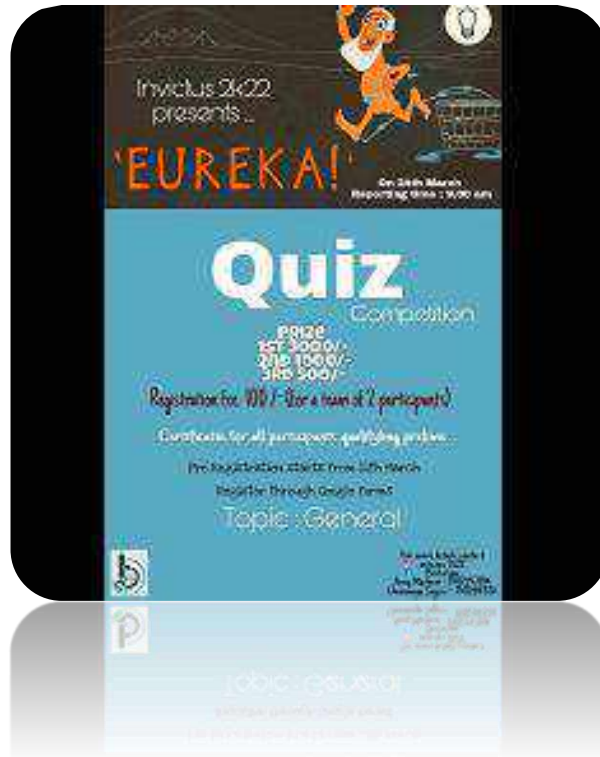

Anand Chagga
Advisor, BCIL

Dr. Purnima Sharma
Managing Director, BCIL

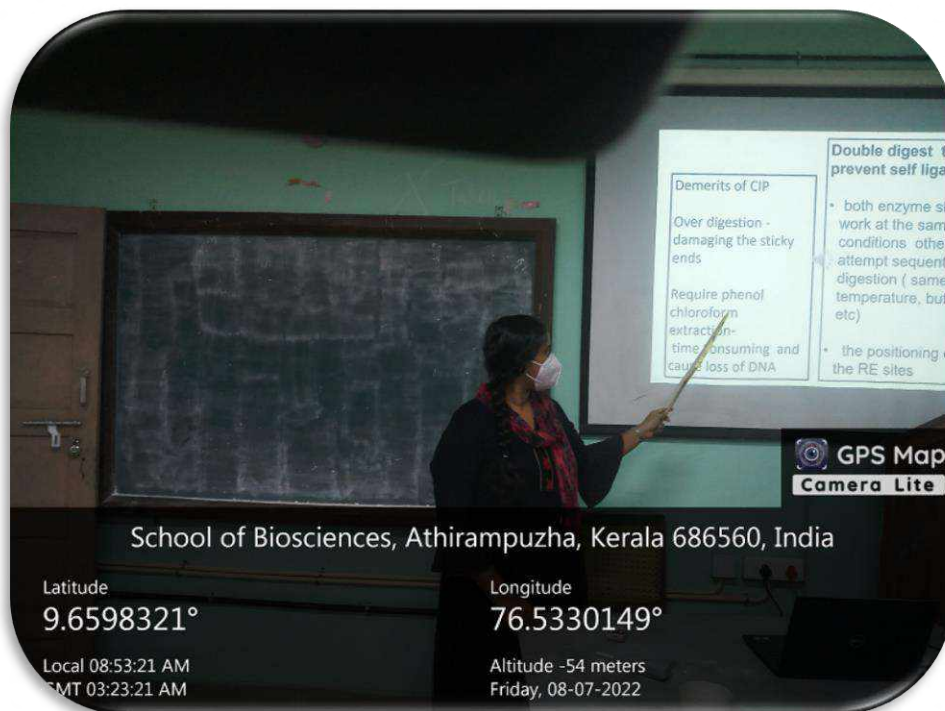


Quiz competitions are organized annually to improve scientific temper





Students are encouraged to practice teaching through Seminars and discussions



Workshops and seminars are organized to encourage a wider understanding of concepts and trends


19 20th January 2022 MGU UNIVERSITY
School of Biosciences

UKIERI
University Knowledge
and Innovation
Research Institute

Department of
SCIENCE & TECHNOLOGY

**PARTNERSHIP
DEVELOPMENT
WORKSHOP**



SCHOOL OF BIOSCIENCES PRESENTS... 

"BIOINFORMATICS WORKSHOP 2021"

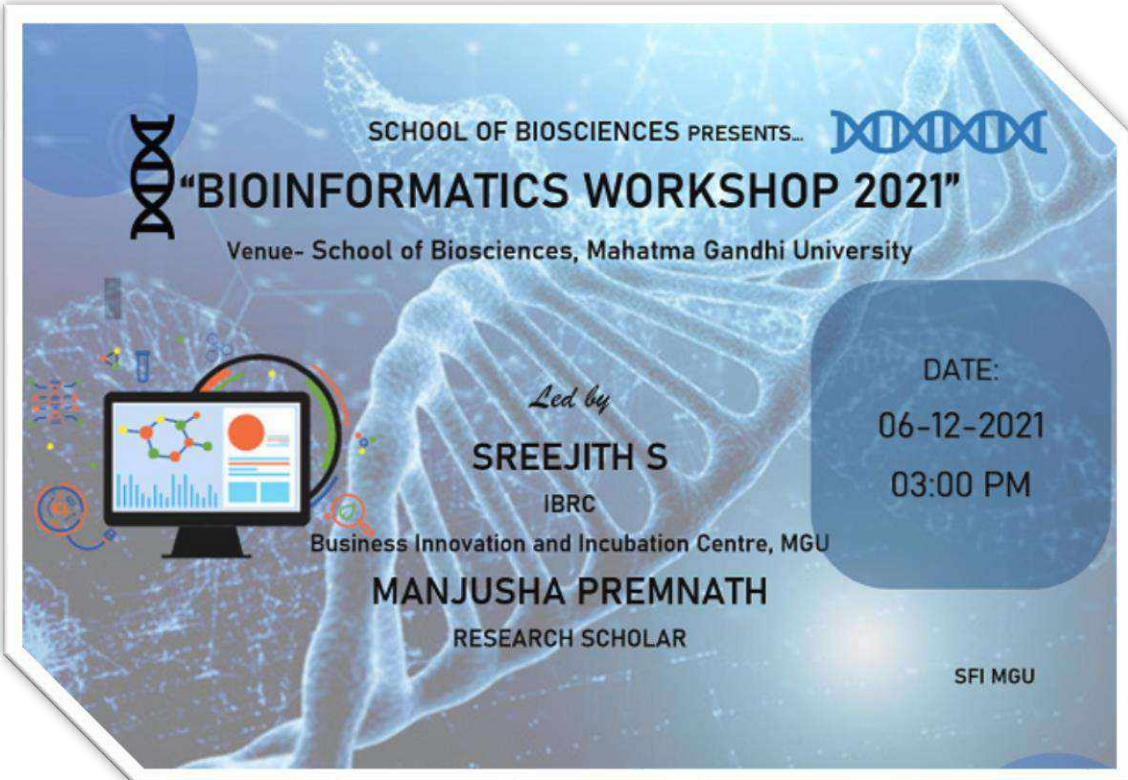
Venue- School of Biosciences, Mahatma Gandhi University

Led by
SREEJITH S
IBRC
Business Innovation and Incubation Centre, MGU

MANJUSHA PREMNATH
RESEARCH SCHOLAR

DATE:
06-12-2021
03:00 PM

SFI MGU



SCHOOL OF BIOSCIENCES
MAHATMA GANDHI UNIVERSITY
KOTTAYAM

*Hands-on training and online lecture series in
"Bioluminescence"*

with special focus on
GCMS, Pulse Field Gel Electrophoresis, HPLC Chromatography &
Molecular Diagnostic System
(For Faculty members and Research Scholars)

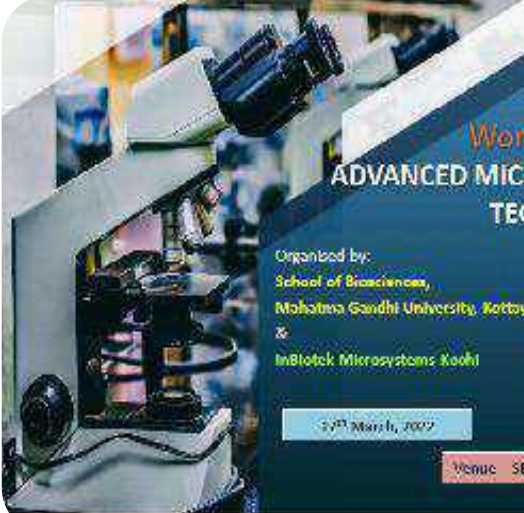
ORGANIZED BY
DST FIST P. TSE Program
School of Biosciences

In Association with
ThermoFisher scientific, Bio-Rad Laboratories, PerkinElmer, Shimadzu
BioTech Pvt Ltd

Coventor
Dr. Jisha M
Director, School of Biosciences,
Mahatma Gandhi University

Faculty	Coventor	Co-organizers
Prof. Dr. Jisha M Director SST FIST P. TSE Program SBS, Kottayam	Dr. Jisha M Senior Professor School of Biosciences	Dr. Anand K Senior Professor School of Biosciences
	Dr. Anand K Senior Professor School of Biosciences	Dr. Anand K Senior Professor School of Biosciences

Please School of Biosciences
Registration Free / Pre-Registration Compulsory
Further enquiry email to: workshop@biosciences.mgu.ac.in
For city participants will only be allowed/considered for hands-on workshops
Reservations will be provided



**Workshop on
ADVANCED MICROSCOPIC
TECHNIQUES**

Organized by:
School of Biosciences,
Mahatma Gandhi University, Kottayam
&
InBiotek Microsystems Kochi

17th March, 2017

Venue: SBS Auditorium

ASBMS 282 WRO201700

201703070000


Registration will be provided
For city participants will only be allowed/considered for hands-on workshops
Reservations will be provided

For enquiries
SST FIST P. TSE Program
SBS, Kottayam

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SBS, Kottayam

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SBS, Kottayam

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SST FIST P. TSE Program
SBS, Kottayam

<p>WHO CAN APPLY? Faculties/ UG and PG Life science students/ Professionals in Food manufacturing/ processing Industries</p> <p>HOW TO APPLY Interested candidates may send the application in prescribed format by email to:</p> <p>For registration enquiries, please contact to:</p> <p style="text-align: center;">Dr. M.S. Jisha, Convener, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala- 686560.</p> <p style="text-align: center;">Mobile: 9846832596, 9497664697 E-mail: haccptraining@mgu.ac.in, jisham@mgu.ac.in</p> <p>REGISTRATION FEE</p> <p>Category Fee (In Rs)</p> <p>Category 1 Students from Universities/ Reputed colleges: 3000.00</p> <p>Category 2 Working Professionals: 10000.00</p> <p>Enrolment is limited to 25 participants, on First-come First-served basis. The participants will have to bear the cost of travel, accommodation. However, lunch, refreshment and course materials will be provided during the training programme. Payment is to be made only after receiving intimation from Training Convener, about the selection. The selected partici- pants for the programme will be intimated by 24th November 2018.</p>	<p style="text-align: center;">Organizing Committee</p> <p style="text-align: center;">Patron Prof. Dr.Sabu Thomas The Vice chancellor, Mahatma Gandhi University, Kottayam</p> <p style="text-align: center;">Chairman Prof.(Dr.) Jayachandran, K Director, School of Biosciences, Mahatma Gandhi University, Kottayam</p> <p style="text-align: center;">Convener Dr. M.S. Jisha, Convener</p> <p style="text-align: center;">Organizing Committee</p> <p style="text-align: center;">Dr. M.S. Latha Prof. J G Roy Dr. Keerthi.T.R. Prof. Jyothis Mathew Dr. Prakash Kumar S Dr. Lisa Mathew Dr. R. Harikumar Nair Mrs. Resmi.S.S Dr. Radhakrishnan E.K Dr. Anil. Y</p> <p style="text-align: center;">For details/registration, Please contact Dr. M.S. Jisha, Convener School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala- 686560.</p> <p style="text-align: center;">Mobile: 9846832596, 9497664697 E-mail: haccptraining@mgu.ac.in jisham@mgu.ac.in</p>	<p style="text-align: center;">Training on HACCP (Hazard Analysis & Critical Control Point) Level- III <i>With international certificate (HACCP-UK)</i></p> <p style="text-align: center;">November 30 - December 02, 2018</p> <p style="text-align: center;">Venue: School of Biosciences, Mahatma Gandhi University, Kottayam</p>  <p style="text-align: center;">Organized by: School of Biosciences, Mahatma Gandhi University, Kottayam</p> <p style="text-align: center;">In Association with Unibios Foundation for Innovations and Research Kottayam, Kerala</p> <p style="text-align: center;">Sr. ISO 9001:2015 Research Organization</p>
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REGISTRATION FEES - Rs 1000

HANDS ON WORKSHOP ON MOLECULAR TECHNIQUES

Hosted by
School of Bioscience
&
School of Food Science and Technology
M.G. University

On 18th & 19th MARCH, 2022

ONLY LIMITED SEATS
"Early bird catches the nest"

For registration Please fill up the google sheet: Link
<https://forms.gle/FoHBLmRliRSMVD47>
For further enquiry e mail to
techniquesmolecular@gmail.com
Google pay Phone Number: 9747265695.
UPI ID: ednamv23@okicici

Program Chairperson : Prof (Dr) Jisha M.S
Program Co-veners: Prof (Dr) Lina Mathew,
Dr Anooja Thomas & Dr Sharrel Rebnilo
Co- Conveners : Mr Anol Thomas, Ms Varsha S.L, Ms Idna Mary Vaighose, Mr Eshan N D,
Ms Sangeeta Saji

TWO DAY WEBINAR
on
TRANSFORMING KNOWLEDGE INTO ENTREPRENEURIAL OPPORTUNITY
Organized by
EDC
Business Innovation and Incubation Centre
in association with
School of Biosciences, Mahatma Gandhi University,
Kollayam
Date: 24-25 May 2021

Day 1		24th May
Inauguration: 10.15 AM		
Time	Topic	Presenter
10.30 AM	"Navigating the 'new normal' - the challenges and opportunities"	Dr. Anoop Kumar T Secretary, Division of Molecular Medicine, Green China Thermal Institute for Medical, Biotech and Technology, Trivandrum
11.00 PM	"Examining market opportunities from an entrepreneur's adaptive and agile firm dynamic market scenario"	Mr. Thomas John Managing Director, Agapex Diagnostics Ltd., Kochi
Day 2		25th May
10.00 AM	"Designing strategy and skill sets for biotech entrepreneurs"	Dr. Preema Khandwal founder, Eight Educational Consultancy Services, Bengaluru
11.00 PM	"Genomics and Transcriptomics to understand cell gene regulation or to step further to efficient business conversion"	Dr. Rajeev Kumar Subraman Senior Principal Scientist and Head, IIT, Tiruvananthapuram



Training on Structural Data Interpretation

(LIFEC, CG-MS, MS, FIR, NMR)

15th - 25th March 2019

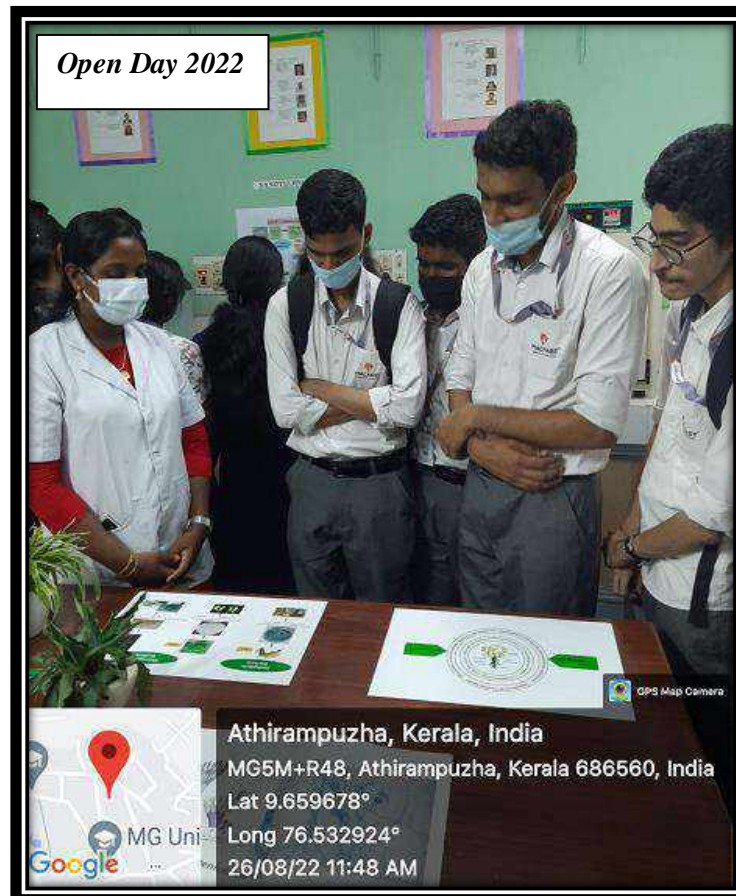
Organized by

School of Biosciences
Maharaja Gopabandhu University
Bhubaneswar, Odisha

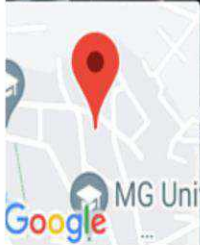


and Financial Assistance
from Ministry of Health, Republic of Indonesia

Open days are organized with student participation to foster scientific temper



Open Day 2022



Athirampuzha, Kerala, India
School of Biosciences, Athirampuzha, Kerala 686560, India
Lat 9.659891°
Long 76.532948°
26/08/22 10:49 AM

SBS sponsored workshop in Government college, Nattokom



Alumni Meetings

Alumni meet on 4th January 2020



Alumni Interaction 2018



Navajeevan charity visit



Onam Celebrations



Biofest : A cultural extravaganza and a coming together of alumni, students and teachers

Biofest 2018



Biofest 2019



Biofest 2020



Biofest 2022





Job fairs and placement drives



**BIOTECHNOLOGY AND
BIOPHARMA SKILL
ENHANCEMENT PROGRAMME
(B2SEP)**

Organised by
School of Biosciences
Mahatma Gandhi University, Kottayam

Conducted by
**SciGenom Research Foundation
(SGRF)**
&
**And Kerala State Industrial
Development Corporation (KSIDC)**

**On 22nd October 2019
Time: 11AM**

Recruitment test for Biotechnology & Biopharma Skill Enhancement Programme (B2SEP)

Salient features of the programme:
Vision & Mission: To train and develop an industry-ready talent pool for sustainable growth and global competitiveness of Indian bio-economy.
Core values:

- 1. Transformation by leveraging:** Transform the biotechnology sector by leveraging the advantage of India and industrial skills to fill the talent deficit.
- 2. Empowering through Innovation:** The graduate students will be empowered by enabling them to think and learn for innovative healthcare environment in India.
- 3. Conserve and Connect:** By conserving the scientific temper, talent and connecting the graduates to potential opportunities we can maximize the growth of the industry as well as the country.

Duration: 6 Months
Scholarship: INR 15,000/- month.
Eligibility:

- ONLY Post Graduates in the discipline of Biotechnology, Biochemistry, Microbiology, Biophysics, Pharmaceutical Chemistry etc. will be considered for the programme.
- This course is meant ONLY for those students who are looking for immediate employment and not for those who are keen on pursuing higher studies, research etc.

Chief guest – Dr. CN Ramchand
CEOs, CSO MagGenome Technologies Pvt Ltd, Cochin
Chaired by- Prof. (Dr.) Jayachandran K
Director, School of Biosciences
Coordinator- Dr. Radhakrishnan EK



School of Biosciences nurtures environmental consciousness



വിദ്യാഭ്യാസം

ഗവേഷണത്തിലൂടെ തൊഴിൽ: എംജി പദ്ധതി

■ സംസ്ഥാനത്ത് ഇത്തരത്തിലുള്ള ആദ്യ പദ്ധതി

മനോരമ ലേഖകൻ

കോട്ടയം. • ഗവേഷണത്തിലൂടെ തൊഴിലിലേക്കു വഴി തുറക്കാൻ എംജി സർവകലാശാല പദ്ധതി ആയിരിക്കുന്നു. ഗവേഷണ സ്ഥാപനങ്ങളും വ്യവസായ സ്ഥാപനങ്ങളും സംസ്ഥാന സർക്കാരിന്റെ സഹായത്തോടെ നടത്തുന്ന പദ്ധതിയാണ് പെയർ (പാർട്നറിംഗ് അക്കാദമിക് ഇൻസ്റ്റിറ്റ്യൂട്ടിൽ നിന്നുപി). ഗവേഷണം നടത്തുന്ന പിഎച്ച്ഡി വിദ്യാർത്ഥികൾക്ക് വ്യവസായ സ്ഥാപനങ്ങളിൽ തൊഴിൽ ലഭിക്കുന്ന തരത്തിലുള്ള സംസ്ഥാനത്തെ ആദ്യ പദ്ധതിയാണ് ഇതെന്ന് സർക്കാർ ഓഫ് ബയോ സയൻസ് മേധാവി, പദ്ധതിയുടെ മേൽനോട്ട ചുമതല വഹിക്കുന്ന ഡോ. കെ.ജയചന്ദ്രൻ പറഞ്ഞു.

എംജി സർവകലാശാല സർക്കാർ ഓഫ് ബയോസയൻസ്,

വ്യവസായ സ്ഥാപനമായ കൊച്ചി മാൾ ജിനോ. ടെക്നോളജി പ്രൈവറ്റ് ലിമിറ്റഡ്, കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിൽ എന്നിവ ചേർന്നാണ് പദ്ധതി നടത്തുന്നത്. പോസ്റ്റ് ഡോക്ടറൽ വിദ്യാർത്ഥികൾക്ക് തൊഴിൽ ഉറപ്പു നൽകുന്ന തരത്തിലാണു പദ്ധതിയുടെ ക്രമീകരണം.

വിവിധ ഗവേഷണങ്ങൾക്കായി പോസ്റ്റ് ഡോക്ടറൽ ഫെലോയ്ക്കു ചുമതല നൽകും ഗവേഷണം വിജയകരമായി പൂർത്തിയാക്കുന്നതോടെ ഡോക്ടറൽ ഫെലോയ്ക്കു വ്യവസായ സ്ഥാപനങ്ങളിൽ സ്ഥിര ജോലിയും ലഭിക്കും. ശാസ്ത്ര - സാങ്കേതിക പിഎച്ച്ഡികൾക്കുശേഷം സർക്കാർ ജോലികൾ പ്രതീക്ഷിക്കുന്നവരാണ് എറെ കഴിവുള്ള എല്ലാവർക്കും ഇത്തരത്തിൽ ജോലി ലഭിക്കണമെന്നില്ല. ഇങ്ങനെയുള്ള വി

ദ്യാർത്ഥികളുടെ കഴിവുകളെ വ്യവസായ സ്ഥാപനങ്ങളുടെ സഹായത്തോടെ രൂപപ്പെടുത്തി സമൂഹത്തിനും ശാസ്ത്ര ശാഖയ്ക്കും സേവനം ചെയ്യാൻ ഉപകരിക്കുന്ന നിലയിലേക്കു വളർത്തുക എന്നതാണു പദ്ധതിയുടെ ലക്ഷ്യമെന്ന് ഡോ. കെ.ജയചന്ദ്രൻ പറയുന്നു. സർവകലാശാലകൾക്ക് ഇത് പുതിയൊരു തുടക്കമാണ്. കൂടുതൽ വ്യവസായ സ്ഥാപനങ്ങൾ ഇത്തരത്തിൽ സഹകരണത്തിന് എത്തുന്നതോടെ മികച്ച ഉദ്യോഗാർത്ഥികളെ അവർക്ക് ലഭിക്കുകയും ചെയ്യും. സർവകലാശാലയിലെ ഡോ. ആർ.ഹരികൃഷ്ണൻ നായർ, ഡോ. വൈ.ആനി, പ്രഫ. സാബു തോമസ് എന്നിവർ ഉൾപ്പെടുന്ന സംഘമാണ് പദ്ധതിയുടെ പിന്നിൽ പ്രവർത്തിക്കുന്നത്. പദ്ധതിയുമായി ബന്ധപ്പെട്ട ചെലവുകൾ വ്യവസായ സ്ഥാപനമാണ് വഹിക്കുന്നത്.

വിവാദ പ്രസ്താവന: (നേമന്തി ഗാബ്വാർ)

പിഎസ്സി പരീക്ഷാ തട്ടിപ്പ്

Production and evaluation of biopolymer based nanoparticles and their conjugates in suppressing soft-rot disease in ginger (*Zingiber officinale* Roscoe) caused by *Pythium myriotylum* Drechsler. In collaboration with Dr. George Thomas, Scientist F, Rajiv Gandhi Centre for Biotechnology (RGCB), Kerala.

