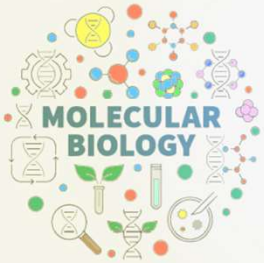
3-DAY HANDS-ON WORKSHOP ON MOLECULAR BIOLOGY TECHNIQUES FOR COLLEGE FACULTY

25th to 28th March 2022



Organised by
Department of Botany
St. Edmund's College
Shillong

FACTA NON VERBA
(DEEDS NOT WORDS)

St. Edmund's College

Established in 1923, St. Edmund's College is one of the premier institutions in North-East India and Meghalaya in particular. The College, aims at imparting equitable quality education grounded on the core values of excellence, competition and ideals. As the college prioritises learning, teaching and sharing of knowledge, education is therefore perceived as a potent vehicle that works towards transformng attitudes and mindsets for the good of one and all in the society in particular and the world at large.

Department of Botany

The department of Botany came into existence on 1st November 1949. The first batch of under-graduate course in Botany started in 1962. Currently, the department conducts U.G. course in B.Sc. (Honours) Botany. Alongwith teaching, the department is actively involved in research activities and faculty recieve funding from the DBT, DST & UGC under various schemes. It has well established research laboratories with sophisticated equipment for carrying out research in modern plant biology. The department is aso supported under DBT-STAR College scheme.

REGISTRATION FEE : Rs 500/- (Payable at Registration desk)
Interested faculty from any discipline of Life Sciences, can register at https://forms.gle/JHjmraRF3unV5GfL9

Last date: 20.03.2022

Number of participants is limited to 25

Contact : Eros Kharshiing, Ph.D. (Workshop Co-ordinator)
Email: eros.kharshiing@gmail.com

WORKSHOP PROGRAMME

DAY 1
8:00 A.M. - 8.30 A.M.
Registration of participants

8:31 A.M. - 12:00 NOON
Isolation and purification of genomic DNA

12:01 P.M. - 12:30 P.M.
LUNCH BREAK

12:31 P.M. - 4:30 P.M.
Gel electrophoresis and visualisation
Lecture and discussion – gel electrophoresis and visualisation
gDNA-PCR, gel electrophoresis and visualisation

DAY 2
8:30 A.M. - 12:00 NOON
Isolation and purification of RNA, gel electrophoresis and visualisation
Lecture and discussion – Primer designing and PCR

12:01 P.M. - 12:30 P.M.
LUNCH BREAK

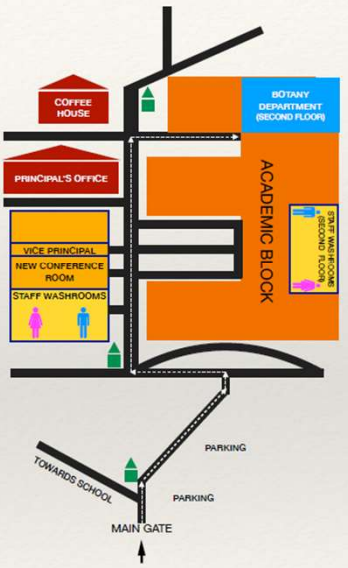
12:31 P.M. - 4:30 P.M.
cDNA synthesis and qRT-PCR
Lecture and discussion – Concepts of qRT-PCR; designing qRT-PCR assays and analyses of data

DAY 3
9:30 A.M. - 11:00 A.M.
Open forum for discussion

Evaluation/Feedback

11:15 A.M. - 11:30 A.M.
Valedictory function and High Tea

DIRECTION (Botany department)



3-DAY HANDS-ON WORKSHOP ON MOLECULAR BIOLOGY TECHNIQUES FOR COLLEGE FACULTY

This is to certify that **Dr. Ronald Kupar Lyngdoh Tron** of **St. Edmund's College, Shillong** participated in a 3-Day Hands-On Workshop on Molecular Biology Techniques for College Faculty from 25th to 28th March 2022, organised by the Department of Botany, St. Edmund's College, Shillong.

Dr. Sylvanus Lamare
Principal
St. Edmund's College
Shillong

Dr. Sanjiban Goswami
Head
Department of Botany
St. Edmund's College
Shillong

Dr. Eros V Kharshiing
Co-ordinator
Department of Botany
St. Edmund's College
Shillong

Evaluation for 3-Day Hands-On Workshop on Molecular Biology for College Faculty

5 responses

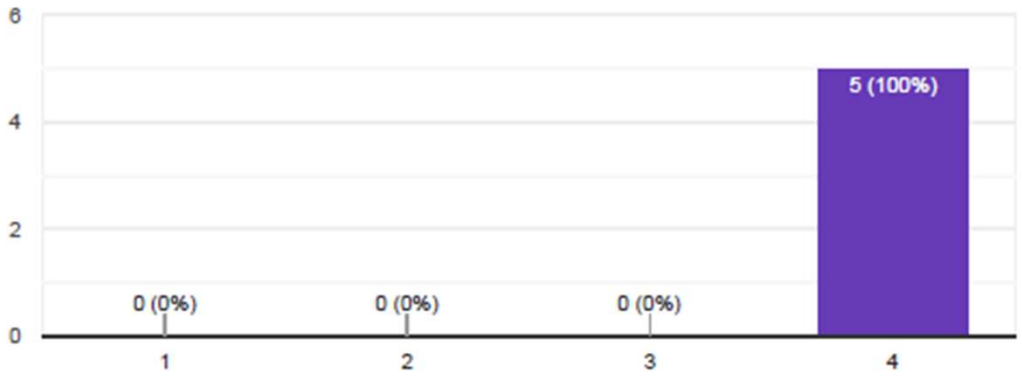
Publish analytics

Please respond to the following questions by using the 4-point rating scale

Workshop objectives were stated clearly and met.

Copy

5 responses



The workshop was well organised.

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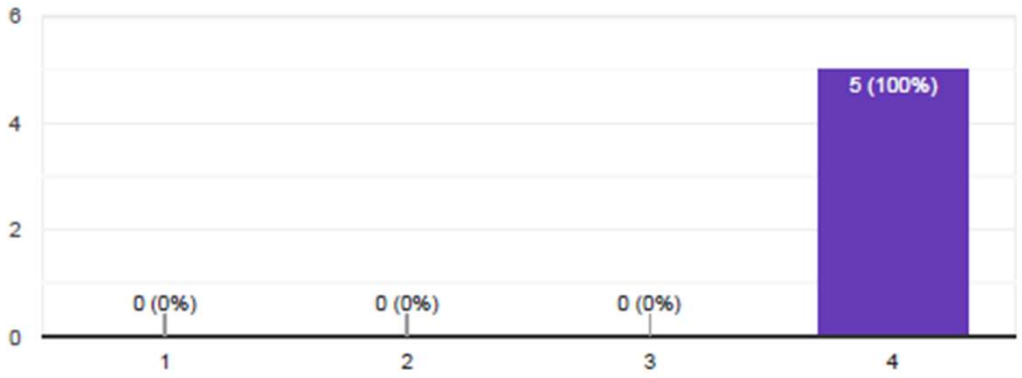
5 responses



The workshop helped me learn the stated objectives in a workshop setting.

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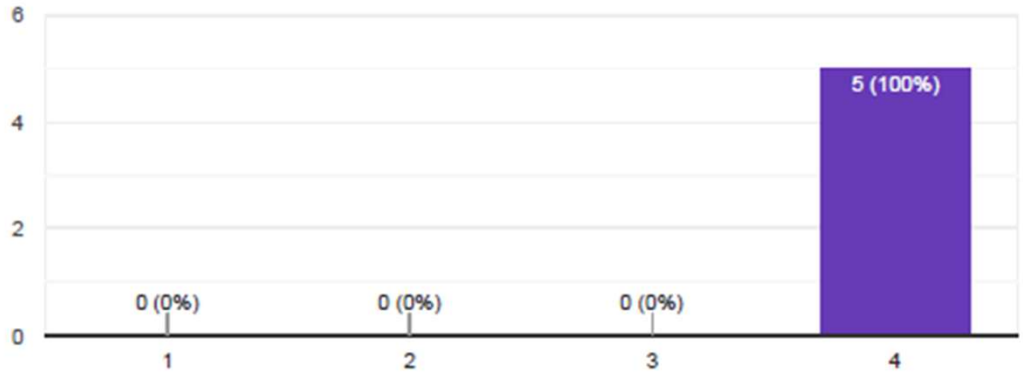
5 responses



The information and/skills presented were relevant and useful.

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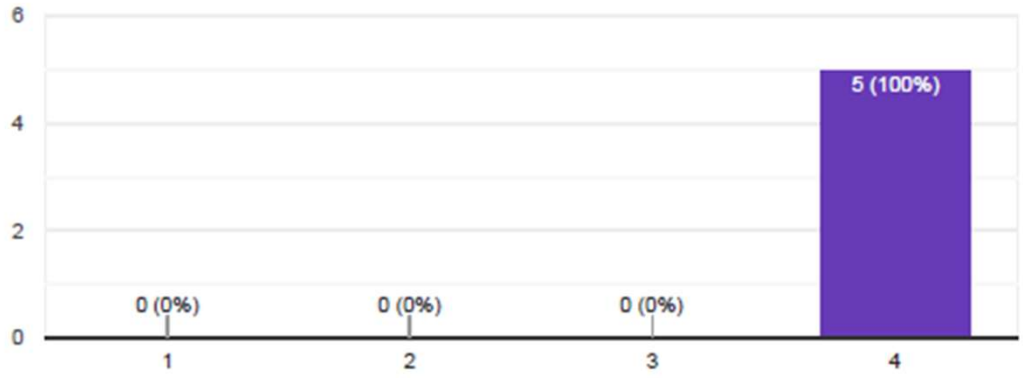
5 responses



The strategies and techniques utilised by the resource personnel were learning-centered.

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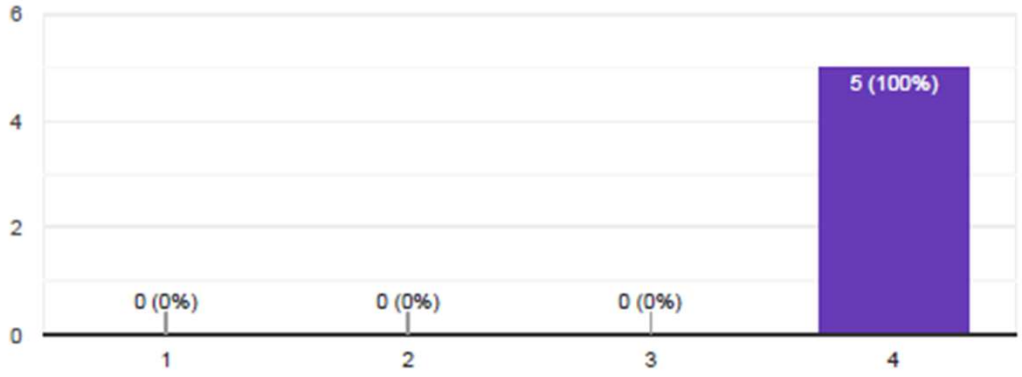
5 responses



The resource personnel answered questions satisfactorily.

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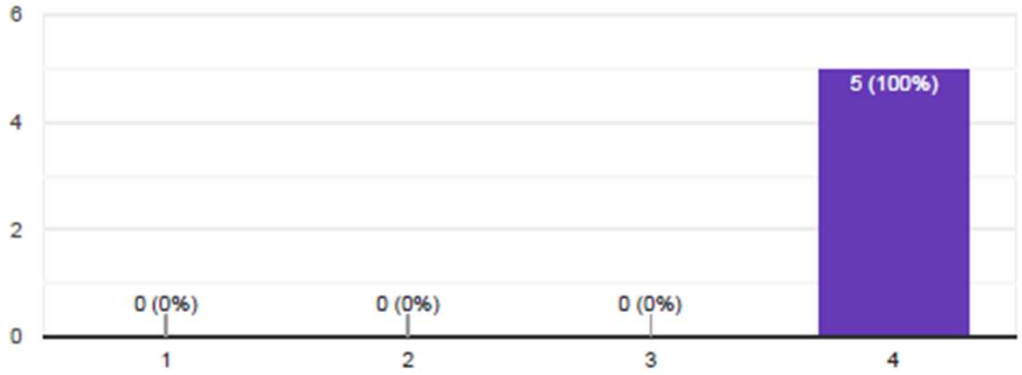
5 responses



The information and skills presented were relevant and useful.

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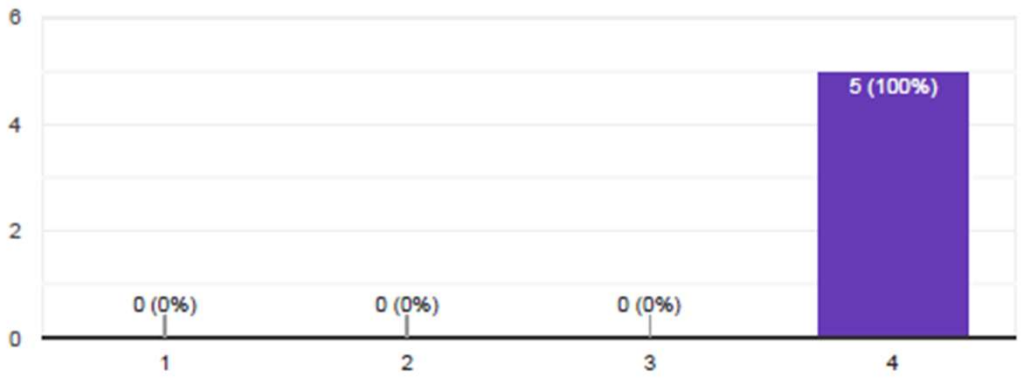
5 responses



The workshop increased my knowledge and skills n Molecular Biology techniques.

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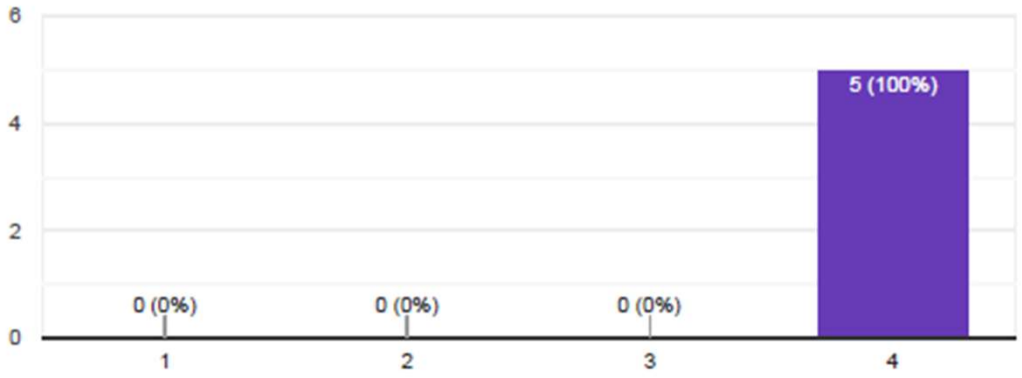
5 responses



Any suggestions you may have for improving such programs in the future.

5 responses

Kindly have more hands on workshops like these which are helpful for faculty to either impart knowledge or use for self development.

If another workshop could be organised on writing for grants, it would be helpful then .

No

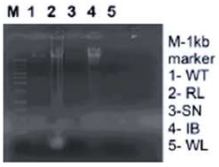
Please organise more of such programs.

Thank you so much for organising the programme. All the best to your lab and your team . Its a wonderful experience. Thank you once again

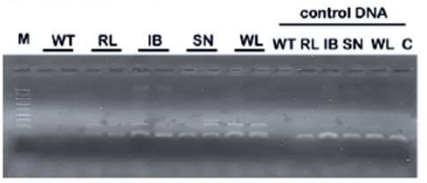
Scientific Social Responsibility

Hands-On Workshop on Molecular Biology Techniques for College Faculty (25.03.2022 to 28.03.2022)

DAY 1 - DNA isolation, visualisation and PCR

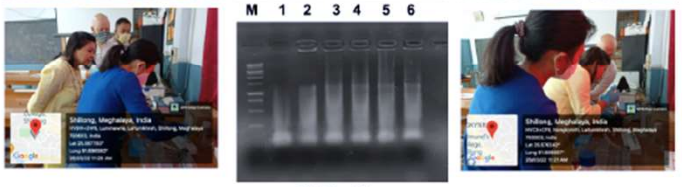


DNA Isolation



PCR amplification from genomic DNA

DAY 2 - RNA isolation, visualisation and cDNA synthesis



RNA isolation

DAY 3 - RT-qPCR