

**ADVANCED INSTITUTIONAL LEVEL BIOTECH HUB,  
S. KULA WOMEN'S COLLEGE, NAMBOL, MANIPUR.**

**Report on a 5-Day Workshop Plant Breeding Techniques conducted by Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol, Manipur on 26<sup>th</sup> – 30<sup>th</sup> November, 2019**

A 5-Days Hands-on Training/Workshop programme was held at S. Kula Women's College, Nambol, Manipur with effect from 26<sup>th</sup> – 30<sup>th</sup> November, 2019. The Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol, Manipur organized such type of workshop/Hands on Training programme. All together 25 registered students & College teachers from different nearby institutions were participated the programme.

**Inaugural Session:**

The Hands-on Training/Workshop was inaugurated on 26<sup>th</sup> November, 2019 at the Seminar Hall of Department of Biotechnology, S. Kula Women's College, Nambol, Manipur, with lighting the lamp by guests on the dais. Ms. Sh. Surodhoni Devi, JRF, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur welcomed the guest and participants. The Inaugural address was given by Dr. Debananda Singh Ningthoujam, Coordinator, DBT– State Biotech Hub, Department of Biochemistry, Manipur University, Canchipur, Imphal. Dr. W. Robindro Singh, HoD/Coordinator, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur delivered the keynote on the occasion. The Chief Guest, Dr. Debananda Singh Ningthoujam, Coordinator, DBT– State Biotech Hub, Department of Biochemistry, Manipur University, Canchipur, Imphal and Guest of Honour W. Nimai Singh, Coordinator, Advanced Institutional Biotech Hub, K. P. College, Hiyangthang, Manipur, both were delivered a thought-provoking lectures on the importance of Plant Breeding Technology. At the end of the inaugural session, Mr. Dr. Robindro Singh, HoD/Coordinator, Advanced Institutional Biotech Hub presented Mementos to the dignitaries on the dais and this session was concluded by proposed vote of thanks by Dr. Romesh Sagolshemcha, Research Associate, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur.

**Technical Session -I: (26<sup>th</sup> November, 2019)**

Bench work-I (New Plant Breeding Techniques: Mutation Induction, Cell Fusion, Transgrafting)

**27.11.2019 (TS-II)**

Bench work-II (Basic techniques in plant molecular biology: i. DNA Extraction, ii. PCR run)

**28.11.2019 (TS-III)**

Bench work-III (Marker Techniques: i. Restriction Fragment Length Polymorphism (RFLP) ii. Amplified Fragment Length Polymorphism (AFLP) iii. Simple Sequence Repeats (SSRs))

**29.11.2019 (TS-IV)**

Bench work- IV (Quantification techniques and quality control)

Bench work- V (Electrophoresis and Western blotting)

**30 .11.2019 (TS-V)**

Bench work-VI (Bioinformatics tools: i. Homology search- BLAST, FASTA ii. mapping MAPMAKER)

**Programme Closed**