**Shri Shivaji Education Society Amravati’s**

**SCIENCE COLLEGE, Congress Nagar, Nagpur**

**Workshop Organized**

**On**

**Plant Tissue Culture Techniques**

**2018-19**

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A training program on Plant Tissue Culture Techniques was organized for the students of B.Sc. B.Sc.III students by Department of Botany, SSES Amravati’s Science College, Congress Nagar. Work shop was conducted by Prof. Punita Tiwari, professor, Dept. of Botany. 3 to 15 days workshop included general introduction, Media preparation, sterilization technique, Explant preparation, Inoculation technique, incubation and observation. Observation of different stages viz: callus formation, shooting and rooting, multiple shoot formation, regenerative callus, identification.

Students from **Matagujari College, Jabalpur** who visited college under student faculty exchange program, also attended Tissue culture training sessions. **Students of INSPIRE camp** (Junior college) also visited the workshop. After completion of workshop visit to ITI, Biotech lab, Betul ,M.P. was organized.

Protoplast culture: Training session on Protoplast isolation was also organized by Prof. Punita Tiwari for B.Sc.V& VI Botany students. Training program included Pre-Plasmolysis, enzymatic digestion of cell wall, washing in different solution and observation.

**Plug preparation Media preparation**

In the session Wrtreww

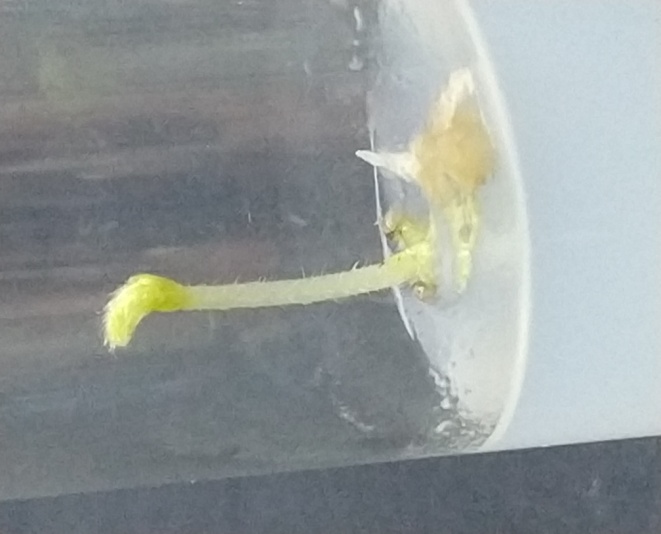
Media Preparation Explant Preparation

Explant source Inoculation





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**Callus Callus + Root+ Shoot**



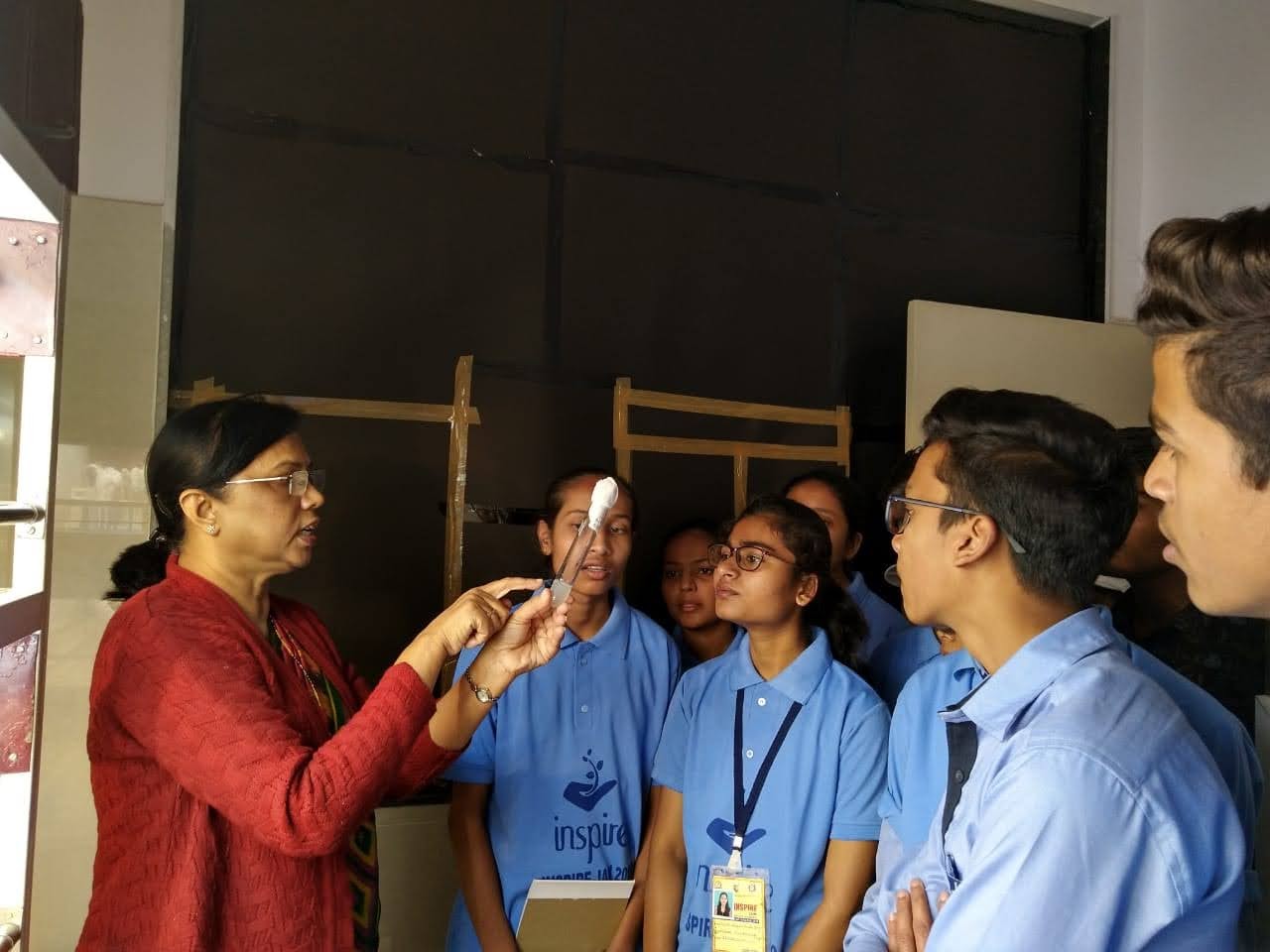
**Participants and Faculty**

**Students from Matagujari college, Jabalpur, M.P. attended the workshop**



**INSPIRE CAMP Students of 11th and 12th standard**

**Protoplast isolation technique workshop**

**Protoplast isolation Process**



**Isolated Protoplast**





**Visit to Central government lab ITI Biotech, Betul, M.P.**

**Bamboo Tissue Culture**

**Convener**

**Prof.P.S.Tiwari**