



CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA

WEBINAR

on

“Interventions of Biotechnology in Agriculture”

29th June 2021

Resource Person:

**Dr. N. Barathi,
Founder Director,
Growmore Biotech Ltd.,
Hosur, Tamil Nadu**

No. of Students and/or Faculty Participated: 213

Objective/Theme:

In vitro micro-propagation of commercially important crops like Bamboo, Banana, Gerbera, Sugarcane and many more ornamental, aromatic and herbal plants

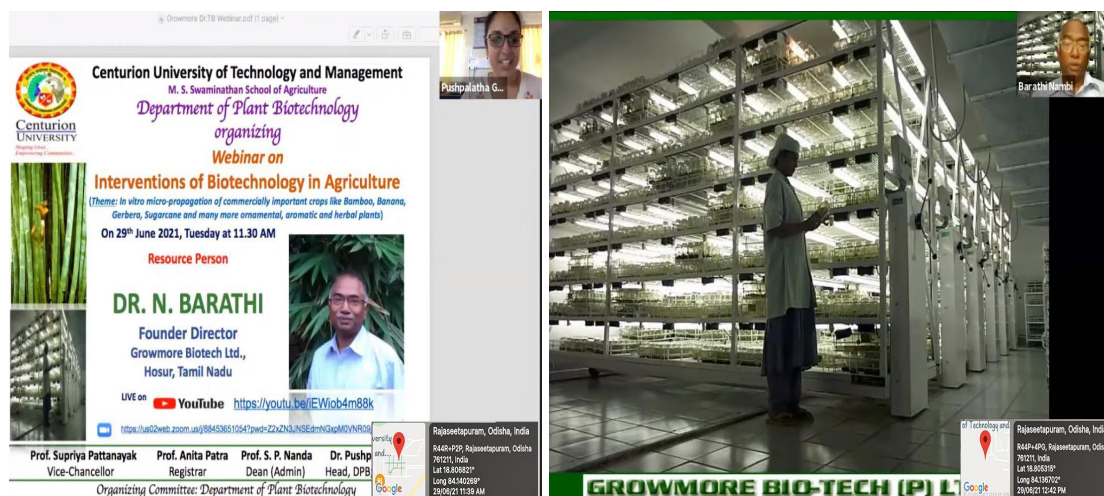
Detailed report of the activity:

A National webinar was conducted on Interventions of Biotechnology in Agriculture, with a theme of in vitro micro-propagation of commercially important crops like Bamboo, Banana, Gerbera, Sugarcane, and many more ornamental, aromatic and herbal plants on 29 th June, 2021, organised by Department of Biotechnology, MS Swaminathan School of Agriculture, Centurion University of Technology and Management, Paralakhemundi, Odisha. The webinar was blessed with the presence of the Chief Guest, Dr. N. Barathi, Founder Director, Growmore Biotech Ltd, Hosur, Tamil Nadu. He has a rich experience profile with multitudinous crucial roles, including former Agriculture Scientist in Tamil Nadu Agriculture University, Commission committee member for High-tech Horticulture, and Director of a Tissue Culture Lab of the capacity 10-100 lakhs plants/annum. He has successfully micro-propagated 85 different species of plants via tissue culture and exports the produce to more than 30 countries. Currently, he is leading the Growmore Biotech Ltd. producing around 11 million bamboo plants per year and his focusing on use of bamboo for generation of electricity and other bamboo produces, like bioethanol.

Dr. Barathi began the webinar with an introductory presentation, first explaining briefly about his past experience and his transitional journey, from research to production, and then, from production to entrepreneurship. Subsequently, he briefed on the tissue culture basics and approaches for a successful tissue culture practice. Later, he explained the purpose of micro-propagation in tissue culture and how to generate the multiple true copies of a pedigree plant via cloning. Interestingly, he shared his inventions during his tissue culture journey, like development of the in-house tissue culture containers (for growing plants) and the vertical plant growing area (the sun-light room) that not only cut downed the material and consumable costs, but also increased the production. Later on his presentation, he emphasized on how bamboo can be the next disruptive technology to dominate the times to come. This was followed up with an enlightening report on the production of bamboo-based fuels, and how our over dependency on fossil fuels can be curbed with the help of bamboo production. Dr. Barathi concluded his presentation by highlighting the applications of micro-propagation of bamboo and bamboo-based produces, including renewable energy and apparels for environmental security, livelihood sustainability, and economic significance. He encouraged the webinar participants to explore more in the area of commercial tissue culture production and to be successful entrepreneurs.

Outcome

Participants are able capture the knowledge regarding the purpose of micro-propagation in tissue culture and how to generate the multiple copies of pedigree plant via cloning.



Introduction session of the webinar on Intervention of Biotechnology in Agriculture

Brochure related to the event:



Centurion University of Technology and Management
M. S. Swaminathan School of Agriculture
Department of Plant Biotechnology
organizing
Webinar on

Interventions of Biotechnology in Agriculture

(Theme: In vitro micro-propagation of commercially important crops like Bamboo, Banana, Gerbera, Sugarcane and many more ornamental, aromatic and herbal plants)

On 29th June 2021, Tuesday at 11.30 AM

Resource Person

DR. N. BARATHI

Founder Director
Growmore Biotech Ltd.,
Hosur, Tamil Nadu



LIVE on **YouTube** <https://youtu.be/iEWiob4m88k>

<https://us02web.zoom.us/j/88453651054?pwd=Z2xZN3JNSEdmNGxpM0VNR09jUVVJJsUT09>



Prof. Supriya Pattanayak
Vice-Chancellor

Prof. Anita Patra
Registrar

Prof. S. P. Nanda
Dean (Admin)

Dr. Pushpalatha G.
Head, DPB; Convener

Organizing Committee: Department of Plant Biotechnology

List of Participants

| S.No. | Name of the Participants |
|-------|--------------------------|
| 1. | Bismoy Mohanty |
| 2. | Gyanaprakash Mohanty |
| 3. | Ram mohan paikaray |
| 4. | Manish Kumar chourasia |
| 5. | Kumar Abhishek |
| 6. | Richi Rekha Barik |
| 7. | Rojalin Pradhan |
| 8. | Priyansu Sekhar Mahakuda |
| 9. | Ankit samal |
| 10. | Ramakrushna sethy |
| 11. | Tabassum Rozy |
| 12. | SANOFAR HANIF KHOKHER |
| 13. | Pantadi satya meghana |
| 14. | Arvind Kumar |
| 15. | Smitu Jyoti Nayak |
| 16. | Manisha Das |
| 17. | K. Prabhukumar |
| 18. | Anjali Kumari |
| 19. | Subhankar Debnath |
| 20. | Praveen Kumar patro |
| 21. | Ritika Sarangi |

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| 22. | Raza Shah Ahmedy |
| 23. | Shradhanjali swain |
| 24. | Rojalin Priyadarsini Mishra |
| 25. | Rashmi Ranjan Behera |
| 26. | Swetalina Behera |
| 27. | Sweeti kumari |
| 28. | Krishna Ram Bhupal |
| 29. | Chittoju Karthik |
| 30. | Parimella Gnaneshwar |
| 31. | SOMESULA SAI CHANDANA |
| 32. | Swati Sucharita |
| 33. | Smrutirekha Acharya |
| 34. | Shruti Priyanka |
| 35. | Koribilli Mouli |
| 36. | Subbulakshmi M |
| 37. | Sujata Dash |
| 38. | Dibyani Marndi |
| 39. | Krishna Sastri |
| 40. | Rasmi Ranjan Behera |
| 41. | P.Durga prasad |
| 42. | Soumya ranjan naik |
| 43. | Sanjukta Rani Padhi |
| 44. | Sourav Suman Nayak |
| 45. | Sandip Rout |
| 46. | Pragyan paramita pahi |
| 47. | Umamaheswari |
| 48. | Subhajit Barik |
| 49. | Ritanjali swain |
| 50. | Rajesh Pariary |
| 51. | Ronak sahu |
| 52. | Sangita Priyadarsini |
| 53. | Anshul Nayak |
| 54. | Niranjan Rout |
| 55. | Chiranjib Swain |
| 56. | Archana Sahoo |
| 57. | Priyam kumar |
| 58. | Jyoti Shankar Mishra |
| 59. | Aniket Mohanty |
| 60. | Rejoice Nayak |
| 61. | Subhashree Sahu |
| 62. | AMRIT MALLICK |
| 63. | Ipsita |
| 64. | Soumya Ranjan Nayak |
| 65. | Amrut Maya Padhi |
| 66. | Chiranjeeb Prasad Mohanty |
| 67. | BIBHU PRASAD JENA |
| 68. | SANJOY GARAI |

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|------|---------------------------|
| 69. | SEKH MANSUR ALI |
| 70. | Aseema Rath |
| 71. | Bablu kumar |
| 72. | Rohit Mallick |
| 73. | Situsmita sethi |
| 74. | Hruday Pradeep Jena |
| 75. | Nitish Kumar Sahoo |
| 76. | PAIDI SRIVAISHNAVI |
| 77. | Ch lekhanu hanu |
| 78. | Valurouthu Lavanya |
| 79. | Gunti.Charitha |
| 80. | Laxmipriya kar |
| 81. | Thondamallu Siri |
| 82. | Palakaluri.kalyani |
| 83. | Avinash pilli |
| 84. | Avinash Barru |
| 85. | Kurmapu upendra |
| 86. | Penubothu Prem sai |
| 87. | Chitrasena Padhy |
| 88. | Chandan suragala |
| 89. | Geni Bhargava |
| 90. | Dhruba Mandal |
| 91. | Suvam Kanungo |
| 92. | Mayank Bhushan Singh |
| 93. | Karubaki Bhanjadeo |
| 94. | Nirmal T |
| 95. | Dr Prakriti Dwivedi |
| 96. | SANDEEP SHANKAR PATTANAİK |
| 97. | Rohit Das |
| 98. | Hritu Marko |
| 99. | KURAPATI NAGENDRASAI |
| 100. | RINCHEN NOPU BHUTIA |
| 101. | PURNENDU PRAMANİK |
| 102. | PARVAIZ AHMAD GANIE |
| 103. | Anirudh Kumar |

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| 104. | Dr. Devanand T N |
| 105. | Abilash Elavarasan |
| 106. | Archana Santhosh |
| 107. | Dr. Milind B Katare |
| 108. | WANSHAPHRANG TIEWSOH |
| 109. | Priya Maria Vinesh |
| 110. | Jitendra Pramanik |
| 111. | Figlu Mohanty |
| 112. | Amit Kumar |
| 113. | Deepti patro |
| 114. | Dr.Prafulla Ku Panda |
| 115. | SAMPAD KUMAR PANDA |
| 116. | Arun G |
| 117. | DEBARAJ RANA |
| 118. | PRATYUSH KUMAR BEHERA |
| 119. | Kamal Kumar Barik |
| 120. | Sridhar Palo |
| 121. | Ashok Panigrahi |
| 122. | Nagesh Kolagani |
| 123. | Mamata |
| 124. | Sunil Raju |
| 125. | Ashrumochan Mohanty |
| 126. | Ananya Mishra |
| 127. | Anant Tamang |
| 128. | Sai Prasad S. |
| 129. | Subhankar Debnath |
| 130. | Chandan kumar |
| 131. | Ansuman Mohapatra |
| 132. | Dr Santiswarup Sahoo |
| 133. | SACHIKANTA NANDA |
| 134. | Sidhartha patra |
| 135. | Dr. U. Kumara ganesh |
| 136. | Peeyush Gupta |
| 137. | Madhurimadas |
| 138. | Dr. Sandeep Rout |
| 139. | Rishikesh Sahoo |
| 140. | LOGANATH S |
| 141. | Pragyan Sahoo |
| 142. | Anurag Routray |
| 143. | Puja Negi |
| 144. | PALISHREE SAHOO |
| 145. | Subhankar Dash |
| 146. | Satyajit Khuntia |
| 147. | Ashutosh bhakti bedanta |
| 148. | Soumya Prakash Puhan |

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| 149. | Dheeravath Saikiran Naik |
| 150. | swagatika mallick |
| 151. | Nirjharini sahu |
| 152. | Subhasmita Swain |
| 153. | Amrita Sahu |
| 154. | Bidyarani karua |
| 155. | Anjali Sahu |
| 156. | Pratyush kumar mishra |
| 157. | Vilas Krishna Kor |
| 158. | Ananya Priyadarshinee |
| 159. | MANORANJAN MAHANTA |
| 160. | Avijeet Raj |
| 161. | Deepti patro |
| 162. | SUMAN KALYAN GIRI |
| 163. | Niket Kumar Singh |
| 164. | Md Perwez Alam |
| 165. | Alok kumar patra |
| 166. | Ankit kumar |
| 167. | OMKAR PANDA |
| 168. | Itishree Mohanty |
| 169. | Puspanjali Jena |
| 170. | Akanksha Parida |
| 171. | Abhishek das |
| 172. | Aditya Narayan Das |
| 173. | Siddhartha Sahu |
| 174. | Rahul kumar |
| 175. | Ch PrasannaKumar |
| 176. | MD Zaid Hussain |
| 177. | Lopamudra Sarangi |
| 178. | Chandan Kumar Gochhayat |
| 179. | Bidyut Prava Mohapatra |
| 180. | Swastik kumar Gouda |
| 181. | Sreelekshmi S |
| 182. | Priyanka Priyadarshini Dalai |
| 183. | Pradip kumar sharma |
| 184. | Biswajit singh |
| 185. | Purandhar ready |
| 186. | Payal Mishra |
| 187. | Ankita Senapati |
| 188. | Shweta Pattanaik |
| 189. | Sreeragi S Kumar |
| 190. | JYOTISMITA SWAIN |
| 191. | Madhurima Das |
| 192. | Satyabrata samal |
| 193. | Dr.U. Kumara Ganesh |
| 194. | Monalisha Pani |
| 195. | Subhangam Choudhury |

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| 196. | SNIGDHA MAHAPATRA |
| 197. | MUDDADA JAGADEESH |
| 198. | S ABHISEKH |
| 199. | Sunita Behera |
| 200. | MANISH KUMAR NIRALA |
| 201. | Satyajit patra |
| 202. | Brijraj Das |
| 203. | Pradeep Sundar Sahu |
| 204. | Anshuman khuntia |
| 205. | MD ARWAZ KHAN |
| 206. | Sandeep Rout |
| 207. | Soumya sucharita sahu |
| 208. | Alekhika Pattanaik |
| 209. | Soubhagya laxmi Das |
| 210. | Biraja Prasad |
| 211. | Pooja Panwar |
| 212. | SATYAPRAKASH TRIPATHY |
| 213. | S SWAYAMSRI SESADRI |



Dr. Prasanta Ku. Mohanty
Dean Academic