

CURRICULUM VITAE

Dr. Tongbram Roshni Devi

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Present (Contact) Address:

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Thanga Ngaram Leikai
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Personal information:

Date of Birth: 18th Sept, 1990

Marital Status: Single

Nationality: Indian

EDUCATIONAL QUALIFICATIONS

Ph.D. in Genetics and Plant Breeding (2016-2022)

Visva Bharati University, Santiniketan, Kolkata, India

Passed with first class (73%)

Title: “*In vitro* Regeneration in *Citrus jambhiri* Lush., an Important Citrus species of North Eastern Hill Region of India”.

The research work was carried out in Tissue Culture Laboratory, ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Imphal under the DBT Twinning Project “*In vitro* mass-multiplication and conservation of some endangered *Citrus* species of NEH region of India, BT/PR16132/NER/95/160/2015”

Advisor: Dr. P.C. Kole

Co Advisor: Dr. M. R. Sahoo

M. Sc. Biotechnology (2013- 2015)

Manipur University, Canchipur, Imphal, Manipur, India

Passed with first class (69%)

Title: “*In vitro* evaluation of Chinese potato (*Solenostemon rotundifolius* Poir., Morton) genotypes under Polyethylene Glycol Mediated Osmotic Stress Condition”.

The research work was carried out at ICAR Research Complex for NEH Region, Manipur Centre.

Advisor: Dr. Nongdam Puren Meetei

Co Advisor: Dr. M. R. Sahoo

B.Sc. Biotechnology (2010- 2013)

Periyar University, Elayampalayam, Tamil Nadu, India

Passed with first class (74%, A++ Grade).

10+2 (2008)

Brajlal Institute of Sciences (BIS), Moirangkhom, Imphal

Passed with first division (63%).

10 (2006)

Loktak Christian Model (LCM) High School, Moirang, Bishnupur

Passed with second division (49%).

RESEARCH EXPERIENCE

- ✚ Worked as **Junior Research Fellow (JRF)** from May 2017 to Sept 2020 in Tissue Culture Laboratory, ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Imphal under the DBT Twinning Project “*In vitro* mass-multiplication and conservation of some endangered *Citrus* species of NEH region of India, BT/PR16132/NER/95/160/2015” (3yrs 4mths 14 days).
- ✚ Worked as **Research Assistant** from Aug 2015 to May 2017 in Tissue Culture Laboratory, ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Imphal (1yrs 9mths 19days).

PUBLICATIONS

- ❖ **Devi TR**, Kole PC, Sahoo MR (2021) Influence of basal vitamins, growth regulators, and explants on *in vitro* organogenesis from synthetic seeds of *Citrus jambhiri* Lush. Journal of Applied Horticulture (Accepted on 23-09-2021), Impact Factor: 0.163
- ❖ **Devi TR**, Dasgupta M, Sahoo MR, Kole PC, Prakash N (2021) High efficient de novo root-to-shoot organogenesis in *Citrus jambhiri* Lush.: Gene expression, genetic stability and virus indexing. PLoS ONE 16(2): e0246971. <https://doi.org/10.1371/journal.pone.0246971>, Impact Factor: 3.24
- ❖ Tikendra L, Potshangbam AM, Dey A, **Devi TR**, Sahoo MR, Nongdam P (2021) RAPD, ISSR, and SCoT markers based genetic stability assessment of micropropagated *Dendrobium fimbriatum* Lindl. var. *oculatum* Hk. f.- an important endangered orchid Physiol Mol Biol Plants. <https://doi.org/10.1007/s12298-021-00939-x>, Impact Factor: 2.391
- ❖ Sahoo M R, **Devi TR**, Dasgupta M, Nongdam P and Prakash N (2020) Reactive oxygen species scavenging mechanisms associated with polyethylene glycol mediated osmotic stress tolerance in Chinese potato Scientific Reports 10:5404. <https://doi.org/10.1038/s41598-020-62317-z>, Impact Factor: 4.13

ACADEMIC ACHIVEMENTS

Received **Best MSc Thesis Award** in 4th International Conference on “Current Approaches in Agricultural, Animal Husbandry & Allied Sciences for Successful Entrepreneurship (CAAAHASSE-2021)”, organized by Agro Environmental Developmental Society (AEDS), Majhra Ghat, Rampu, Uttar Pradesh-244922, India.

Received **3rd Best Oral Award** in 2nd International Conference on “Recent Advances in Agricultural, Environmental & Applied Sciences for Global Development (RAAEASGD-2019)” organized by Agro Environmental Development Society, Majhra Ghat, Rampur, U.P. India, co-organized by Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, H.P., India.

Received **Best Poster Award** in National Seminar on “Integrating Agri-Horticultural and allied research for food and nutritional security in the era of global climate disruption”, organized by ICAR RC for NEH Region, Manipur Centre, Imphal, Manipur during March 4-6, 2016.

Received **CGP TRAVEL GRANT AWARD** for “**The World Congress on Root and Tuber Crops (WCRTC)**” organized by International Society for Tropical Root Crops (ISTRC) and Global Cassava Partnership for 21st Century (GCP 21), Nanning, Guangxi, China, 18-22 January 2016.

CONFERENCE/SEMINAR/TRAINING PARTICIPATION

1. Attended in 1-Hour World IP Day Webinar on IP and Youth: Innovating for a better Future conducted by Tulip Innovations Pvt. Ltd., Mani Casadona, 6WS9,TCS GP Main Rd, New Town AA 2F, Kolkata 700156, India on 26th April, 2022.
2. Participated in 7-Days Design Thinking Course organized by Tulip Innovations Pvt. Ltd., Mani Casadona, 6WS9,TCS GP Main Rd, New Town AA 2F, Kolkata 700156, India from 25 Mar to 31 Mar 2022.
3. **Tongbram Roshni Devi**, Paresh Chandra Kole, Madhumita Dasgupta, H. Lembisana Devi, Satyapriya Singh, Sushmita Shukla, Manas Ranjan Sahoo 2022.
Influence of explants, basal vitamin medium, and plant growth regulators on *in vitro* regeneration of *Citrus jambhiri* Lush. In: “**National Seminar on Fruit Production on Eastern Tropical Region of India, Challenges and Opportunities**” organized by Central Horticultural Experiment Station (ICAR-IIHR), Bhubaneswar in collaboration with Society for Promotion of Horticulture, ICAR-IIHR, Bengaluru March 24-26, 2022.
4. Participated in 2 week online Patent Course organized by Tulip Innovations Pvt. Ltd., Awfis, 6th Floor Schindler House, Chemtex Lane, Hiranandani, Mumbai 400076, India from 31 Mar to 14 Apr 2021.
5. Participated in 4th International Conference on “Current Approaches in Agricultural, Animal Husbandry & Allied Sciences for Successful Entrepreneurship (CAAHASSE-2021)” March 13-15, 2021, organized by Agro Environmental Developmental Society (AEDS), Majhra Ghat, Rampu, Uttar Pradesh-244922 (India) and Centre for Agribusiness Incubation and Entrepreneurship, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (Madhya Pradesh) India.
6. **T. Roshni Devi**, M.R. Sahoo, P.C Kole, M. Dasgupta N. Prakash 2019. Influence of Nitsch vitamin and adenine sulphate (ADS) on *in vitro* regeneration and gene expression of *Citrus jambhiri* Lush. In: “**New Horizons in Biotechnology**” organized by CSIR-National Institute of Interdisciplinary Science and Technology and The Biotech Research Society, India, 20-24 Nov, 2019 pp. 360.
7. **T. Roshni Devi**, M.R. Sahoo, P.C Kole, M. Dasgupta N. Prakash 2019. Studies on rooting behaviors of *in vitro* grown plantlets of *Citrus jambhiri* Lush. In: “**2nd International Conference on “Recent Advances in Agricultural, Environmental & Applied Sciences for Global Development (RAAEASGD-2019)”**” organized by Agro Environmental Development Society, Majhra Ghat, Rampur, U.P. India, co-organized by Dr. Yashwant

Singh Parmar University of Horticulture and Forestry, Nauni, Solan, H.P., India, 27-29 Sept, 2019 pp. 247.

*Received 3rd **BEST ORAL AWARD** for this.

8. **Lab Coordinator In:** Wet Lab Training on “**Advances in Plant Biotechnology and Molecular Biology (Module I)**” organized by ICAR Research Complex for NEH Region, Manipur Center, Lamphelpat, Imphal- 795003, 26th Feb to 18th Mar, 2019.
9. Participated in Wet Lab Training on “Advances in Plant Biotechnology and Molecular Biology (Module II and III)” organized by ICAR Research Complex for NEH Region, Manipur Center, Lamphelpat, Imphal- 795003, 26th Feb to 18th Mar, 2019.
10. **T. Roshni Devi**, M.R. Sahoo, P.C Kole, M. Dasgupta, H. Lambisana Devi, I.M.Singh and N. Prakash 2019. *In vitro* seed germination and multiple shoot regeneration in *Citrus jambhiri* Lush. **In: National Seminar on “Strengthening of Seed Syetems in the North Eastern and Unreached Region-Problems, Prospect and Policies”** organized by Indian society of Seed Technology in collaboration with ICAR Research Complex for NEH Region, Manipur Center, Lamphelpat, Imphal- 795004, 3-5 February, 2019 pp.186.
11. Participated in two days training programme on “Oyster Mushroom Cultivation: A Viable Option for Agripreneurship Development” organized by Agri-bussiness Incubation Center & Plant Pathology Section, ICAR Research Complex for NEH Region, Manipur Center, 17-18 September, 2018, Imphal, Manipur.
12. Participated in the State Level Sensitization Workshop on “Agripreneurship Development for Increasing Farm Income and Promotion of Agri-business in Manipur” organized by Agri-business Incubation (ABI) Centre, ICAR Research Complex for NEH Region, Manipur Center, 21st Aug, 2018, Imphal, Manipur.
11. Participated in the National Workshop and Brainstorming Session on “Unleashing the Hidden Potential of Maize Technology in NEH Region: Status, Options and Strategies” organized by ICAR Research Complex for NEH Region, Umiam, Meghalaya and ICAR-Indian Institute of Maize Research, Ludhiana, Punjab, 30-31 July, 2018, Imphal, Manipur.
12. Participated in National Workshop cum Hands-on Training on “Next generation sequencing : Its Application in Genomics Of Banana and Banana Viruses” organized by ICAR Research Complex for NEH Region, Manipur Center, Lamphelpat, Imphal- 795004, 17th-20th July, 2017.
13. **T. Roshni Devi**, M. Dasgupta, M. R. Sahoo, N. N. P. Meetei, N. Prakash, S. V. Ngachan 2017. Role Of Ascorbate Glutathione Cycle And Redox Signalling In Drought Stress Tolerance In Chinese Potato (*Solenostemon rotundifolius* Poir., Morton). **In: 1st International Conference On “Bio-resources Environment and Agricultural science (ICBEAS)”** organized by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati & Society of Bio-resource, Environment and Agricultural Research, Visva-Bharati, West Bengal, 4-6 February, 2017 pp. 241.

14. **T. Roshni Devi***, M. Dasgupta, M. R. Sahoo, N. N. P. Meetei and N. Prakash. 2016. Influence of polyethylene Glycol mediated osmotic stress on Chinese potato (*Solenostemon rotundifolius*). In: **National Seminar on ‘Integrating Agri-Horticultural and Allied Research for Food and Nutritional Security in the Era of Global Climate Disruption’** organized by ICAR complex for NEH region, Manipur Centre, Lamphelpat Imphal- 795004, India March 4-6, p. 95.

*Received **BEST POSTER AWARD** for this.

15. N. Prakash, M. R. Sahoo, **T. Roshni Devi***, M. Dasgupta, N. N. P. Meetei and S. V. Ngachan. 2016. Morpho-physio-biochemical properties Chinese potato (*Solenostemon rotundifolius*) under moisture stress conditions. In: **‘The World Congress on Root and Tuber Crops (WCRTC)’** organized by International Society for Tropical Root Crops (ISTRC) and Global Cassava Partnership for 21st Century (GCP 21), Nanning, Guangxi, China, 18-22 January 2016.

*Received **CGP TRAVEL GRANT AWARD** for this.

MEMBERSHIP

1. Life member of Society for advancement of Human and Nature (SADHNA), Membership No.# 4028 with effective from March 17, 2021.
2. Life member of Agro Environmental Development Society (AEDS), Membership No. AEDS/LM/433/2021 with effective from March 13, 2021.

REFERENCES

1. Dr. Nongdam Puren Meetei
Assistant Professor,
Department of Biotechnology,
Manipur University, Canchipur-795003
Phone: +91 9774834323
Email: purenba29@gmail.com
3. Dr. Paresh Chandra Kole,
Professor,
Department of Genetics & Plant Breeding,
Palli Siksha Bhavan (Institute of Agriculture),
Visva Bharati, Sriniketan-731236
Phone: +91 9474413136
Email: pckole@gmail.com

Place: Imphal
Date: 10-05-2022



(TONGBRAM ROSHNI DEVI)
