

## Personal Profile

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**Dr. Tonlong Wangpan**  
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## Educational Profile

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Ph.D.	Rajiv Gandhi University, Doimukh, Arunachal Pradesh; 2016 Supervisor: Prof. Sumpam Tangjang
M.Phil.	Rajiv Gandhi University, Doimukh, Arunachal Pradesh; 2012 Supervisor: Prof. Sumpam Tangjang
M. Sc.	Rajiv Gandhi University, Doimukh, Arunachal Pradesh; 2010 Subject: Botany Specialization: Ethnopharmacology and pharmacognosy
B.Sc.	Dibrugarh University, Dibrugarh, Assam; 2008 Subject: Botany

## Professional Experience

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**Assistant Professor**, Department of Botany, Rajiv Gandhi University, Arunachal Pradesh, India Oct, 2016-till date

## Administrative Experience

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IQAC member	2020-2021
Member of "EK Bharat Shrestha Bharat Club	2019-2021
Deputy Coordinator, RGUMPET	2019-2021
Deputy Coordinator, RGUCET	2019-2021
Member, Department Screening and Admission Committee	2019-2021
Member, RGUCET and RGUMPET Conduction Committee	2019-2020
Member & Software expert, Departmental Anti Plagiarism Committee	2020-2022

Member, Committee for Scrutiny of applications forms of Faculty of Agricultural Sciences	2020
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## Awards & Honours

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1. Rajiv Gandhi National Fellowship for ST Candidate 2010-2011.
2. Gold Medallist (M Phil), 2012.
3. Qualified SLET in 2015.

## Membership of Professional Bodies

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1. Life member of East Himalayan Society for Spermatophyte Taxonomy
2. Life Member of Indian Association of Hill Farming

## Research Interests

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1. Indigenous Knowledge Systems
2. Bio-resources Management
3. Plant Molecular taxonomy

## Research Publications

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1. Anti-proliferating activity of some toxic and medicinal plants used by Wancho tribe of Arunachal Pradesh, India. **Wangpan, T.**; Wangpan, A.; Chetry L.B. & Tangjang S. *Notulae Scientia Biologicae*. 2021, 13(2): 1-9. DOI:10.15835/nsb13210894
2. Compendium of plants used for preparation of traditional alcoholic beverages by four major ethnic communities of Assam, Northeast India. Borah, D; Gogoi, T; Sarma, j; Borah, P.J.; Gohain, B; Mili, C; Upadhyaya, A.; Basumatary, J.; Neog, K; **Wangpan, T.** & Tangjang, S. *Biodiversitas Journal of Biological Diversity*, 2021, 22(4):2019-2031. DOI: 10.13057/biodiv/d220451.
3. Isolation of Endophytic Fungi from Selected Bamboo Species of Arunachal Pradesh, India. Giba,J; Tangjang, S.; **Wangpan, T.**; Taka, T. & Tesia, P. *International Journal of Scientific and Research Publications (IJSRP)*. 2020, 10(12):263-270. <http://dx.doi.org/10.29322/IJSRP.10.12.2020.p10824>.
4. Endophytic Fungi in Bamboo: A Review. Giba, J.; **Wangpan, T.** & Tangjang, S. *International Journal of Current Microbiology and Applied Sciences*. 2020,9(11):2024-2031. <https://doi.org/10.20546/ijcmas.2020.911.241>.
5. Traditional use of plants as medicine and poison by Tagin and Galo Tribe of Arunachal Pradesh. **Wangpan, T.**; Tasar, J.; Taka, T.; Giba, J.; Tesia, P. & **Tangjang, S.** *Journal of Applied Pharmaceutical Science*. 2019, 9(9):98-104.

6. Ethnobotanically Important Plants Used by the Nocte Tribe of Eastern Himalaya. **Wangpan, T.**; Chimyang, N.; Lowang, C.; Taka, T.; Giba, J.; Tesia, P. & Tangjang, S. *Journal of Bioresource*. 2019, 6(1): 36-45.
7. Bio-cultural Diversity and Ethnobotanic Utility of Indigenous Rice (*Oryza sativa* L.) in Lakhimpur District, Assam, India. **Wangpan, T.**; Gogoi, H.; Tapi, T. & Tangjang, S. *Notulae Scientia Biologicae*. 2019, 11(1):138-144. DOI: 10.15835/nsb11110354.
8. Wild edible plants and their additional uses by the Tangsa community living in the Changlang district of Arunachal Pradesh, India. Lungphi, P.; **Wangpan, T.** & Tangjang, S. *Pleione*. 2018, 12(2): 151-164.
9. First report on Biological Evaluation and Preliminary Screening of Fungal Endophytes from *Spilanthus paniculata*, a Medicinal Herb in Arunachal Pradesh, India. Sharma, R.; Tangjang, S. & **Wangpan, T.** *International Journal of Current Microbiology and Applied Science*. 2018, 7(11): 1346-1354. doi: <https://doi.org/10.20546/ijcmas.2018.711.157>.
10. Medicinal plants used against gastrointestinal disorders among the Adi Tribe of Eastern Himalaya. Chetry, L.B.; Basar, K.; Taye, K.; Taka, T.; Tsering, J. & **Wangpan, T.** *Nebio*. 2018, 9 (1):93-101.
11. Isolation of cellulolytic fungi from the litter of *Phyllostachys bambusoides* from Ziro Valley, Arunachal Pradesh, Eastern Himalaya. Taka, T.; **Wangpan, T.**; Chetry, L.B.; Tesia, P.; Giba, J. & Tangjang, S. *Nebio*. 2018, 9 (1): 144-149.
12. On-farm Diversity of Indigenous Rice (*Oryza Sativa* L.). Landraces in Border of Eastern Himalaya. **Wangpan, T.**; Taka, T. & Tangjang, S. *Pertanika Journal of Tropical Agricultural Science*, 2018, 41 (1): 393-410.
13. Tribal agriculture: tradition in transition in the Indian Eastern Himalaya. **Wangpan, T.**; Tangjang, S. & Arunachalam, A. *Current Science*. 2017, 112(7): 1327-1329.
14. Anti-Malarial Plants of Jonai, India: An Ethnobotanical Approach, **Wangpan, T.**; Chetry, L.B.; Tsering, J.; Taka T. & Tangjang S. *Notulae Scientia Biologicae*. 2016, 8:27-32. DOI: 10.15835/nsb.8.1.9750.
15. Significance of Mixed-Cropping in Jhum Based Traditional Agroforestry in Tirap and Longding District of Arunachal Pradesh, India, **Wangpan, T.** & Tangjang, S. *Journal of Bioresource*. 2015, 2 (2): 62-73.
16. Balancing traditional knowledge for conservation and utilization of bamboo resources in Arunachal Pradesh, India. Tangjang, S.; **Wangpan, T.**; Taka, T.; Namsa, N.D. & Arunachalam, A. *ENVIS Bulletin on Himalayan Ecology, GBPIHED*. 2015, 1-5.
17. Sustainability of Indigenous Farming Practices: A Case Study among Apatani, Nocte and Wancho tribes in Arunachal Pradesh, Northeast India. International

**Wangpan, T.;** Taka, T.; Tangjang, S. & Arunachalam, A. *Journal on Agricultural Sciences*. 2014, 6(1): 106-112.

18. Managing upland rice under typical traditional slash-and-burn ecosystem in the hilly Arunachal Himalaya of Northeast India. **Wangpan, T.;** Tangjang S. & Arunachalam, A. *Indian Journal of Hill Farming*. 2012, 25(2): 10-13.

19. Slash-and-burn agriculture in eastern Himalayan zone of Northeast India. **Wangpan, T. &** Tangjang, S. *Current Science*, 2012, 102(9):1247-1248.

## **Patent**

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Nil

## **Book/Book Chapter published**

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1. Wangpan, T. & Tangjang, S.: Ethnobotanically Important Fermented Food of Arunachal Pradesh. in *Bioresources and Sustainable Livelihood of Rural India*. Mittal Publication, India, 2021, pp. 275-284.
2. Wangpan, T. & Tangjang, S.: Status of Medicinal Plants in Context of Arunachal Pradesh, in *Environmental Concerns and Sustainable Development*, Edited by Vertika Shukla & Narendra Kumar; **Springer Nature** Singapore Pte Ltd. 2020, pp. 63-79. DOI: [10.1007/978-981-13-6358-0\\_4](https://doi.org/10.1007/978-981-13-6358-0_4)
3. Borah, D; Das, A.P.; Tangjang, S.; & Wangpan T.: Flowering Plant Diversity in the Alpine Regions of Eastern Himalaya, in *Ethnopharmacology and Biodiversity of Medicinal Plant*, Edited by Jayanta Kumar Patra, Gitishree Das, Sanjeet Kumar and Hrudayanath Thatoi; Apple Academic Press Inc. **Taylor & Francis** Group, 2019, pp. 169-186. ISBN: 978-0-42939-819-3
4. Wangpan, T.; Wangpan, A. & Tangjang, S.: Plants used against gastrointestinal disorder: An ethnopharmacological study among the Wancho Tribe of Arunachal Pradesh, India. In *Stotasvini-Cascading knowledge*. 1<sup>st</sup> Ed. Purbayon publication, 2018, 43-53.. ISBN:978-93-87263-61-1.
5. Chetry, L.B.; Tapi, T.; Wangpan, T.; Panyang, F. & Doming (2018) Medicinal plants used against malaria: A case study among Adi tribe of Arunachal Pradesh. In *Advances in Botanical research in North East India*. Eastern Book House. India. 2018. pp. 215-225. ISBN 9789386302526

## **Research guidance**

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### **Post-doc fellow**

Nil

### **Ph.D scholar**

1. **Mr. Likha Rido**

Topic of research: Quantitative Ethnobotanical Studies of the Plants used by the Tribal Communities of East Kameng District, Arunachal Pradesh

Year of PhD degree: Ongoing

**2. Ms. Pokhaw Khangam**

Title of the thesis: Quantitative Ethnobotanical Studies of the Plants Used by the Wancho Tribe of Longding District, Arunachal Pradesh

Year of PhD degree: Ongoing

**3. Mr. Silikta Mangchey**

Title of the thesis: Genetic diversity among the rice landraces of Namsai and Lohit district of Arunachal Pradesh.

Year of PhD degree: Ongoing

**Course/Conference/Workshop organized**

NIL

**Course/Conference/Workshop etc. attended**

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**A. Professional Courses:**

1. Attended Online **Two – Week Refresher Course in “Life Sciences”** from 01 – 15 September, 2021. Organized by Teaching Learning Centre, Ramanujan College, University Of Delhi In Collaboration With Miranda House, University of Delhi Under The Aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.
2. Attended Online-One Week **Faculty Development Programme on “Data Analysis Using R”** From 15 - 21 June, 2021, Organized By Teaching Learning Centre, Ramanujan College, University Of Delhi Under The Aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.
3. Attended Online Two-Week **Inter-Disciplinary Refresher Course on “Research Methodology and Data Analysis”** From 17 - 31 May, 2021, Organized By Teaching Learning Centre, Ramanujan College, University Of Delhi Under The Aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching.
4. Attended One Week **Faculty Development Programme on “Recent Trends and Challenges in Research”** From 10 - 18 May, 2021 Organized By Organized By Teaching Learning Centre, Ramanujan College, University of Delhi Under The Aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching In Collaboration With Ugc Paramarsh Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur (Autonomous).
5. Attended **Orientation Course** in Gauhati University (1 June to 28 June, 2018)

6. Attended **Refresher course on Climate Change: A Guide for Teachers of all Disciplines** (ARPIT 16 weeks).

**B. Research presented in Seminar and conferences:**

1. Presented an oral presentation in International Web Conference on Perspective on Agricultural and Applied Sciences, jointly organized by Bangladesh Agricultural Research Institute (BARI), Gazipur, Dhaka, Bangladesh, Shobhit Institute of Engineering & Technology (A NAAC Accredited, Deemed to be University), Meerut, India, Soils, Water and Environmental Res. Inst, (SWERI), Agriculture Research Center, (ARC) Giza, Egypt during 4-6<sup>th</sup> Oct, 2020.  
Title of the presentation/talk: **Dynamics of indigenous farming systems in Arunachal Pradesh, Eastern Himalaya.**
2. Presented an oral presentation in National Seminar on Hill Economies and Sustainable development: Challenges and Prospects Centre for Developmental Studies, Rajiv Gandhi University, India during 5-6<sup>th</sup> Feb, 2018.  
Title of the presentation/talk: **Role of Traditional Farming System in Rural Economy and Sustainability in Tirap and Longding Districts of Arunachal Pradesh.**
3. Presented an oral presentation in National Seminar on Recent Trends in Bioresource Management and Biodiversity Conservation. Life Sciences under Centre for Excellence in Biodiversity, Rajiv Gandhi University, Arunachal Pradesh, India during 17-19<sup>th</sup> October, 2013.  
Title of the presentation/talk: **Conservation, sustainability and management of agrobiodiversity by traditional farming and plantation strategies in Ziro Valley of Arunachal Pradesh, India.**
4. Presented an oral presentation in International Conference on Forest, Mountain and People 2012. Colombo, Sri Lanka during 12-13 December, 2012.  
Title of the presentation/talk: **Traditional jhum agriculture as a rural survival among the ethnic Nocte and Wancho in eastern zone of Arunachal Himalaya, Northeast India.**

**C. Workshop and Trainings:**

5. Attended 7 days (27<sup>th</sup> Jan 2020 to 31<sup>st</sup> Jan 2020) hands-on training on **“Cell and Molecular Biology”** organized by DBT-NER Biotechnology/Bioinformatics Training Centre at Advance Centre for Treatment, Research & Education in Cancer (ACTREC), Tata Memorial Centre, Khargar, Navi Mumbai, India.
6. Attended 14 days (January 21<sup>st</sup> – February 1<sup>st</sup>, 2019) Hands-on training on **“Gene Cloning, Protein Biochemistry, Structure Biology & Bioinformatics”** organized by DBT-NER Biotechnology/Bioinformatics Training Centre, Advance Centre for Treatment, Research & Education in Cancer (ACTREC), Tata Memorial Centre, Khargar, Navi Mumbai, India.
7. Attended **National Seminar on Climate change Adaptation for Natural Resource Management**, NERIST, Arunachal Pradesh. 2018 .

8. Attended **Workshop on Biostatistics through software** RGU, Rono Hills, Arunachal Pradesh, from 31Jan – Feb. 6, 2017
9. Attended **Workshop on Intellectual Property Rights**, 23rd of March at Nirjuli, organized by MHRD IPR Chair, Tezpur University and North Eastern Regional Institute of Science and Technology.
10. Attended **Workshop on Intellectual Property Rights**, 23rd of March 2014. MHRD IPR Chair, Tezpur University and North Eastern Regional Institute of Science and Technology
11. Attended **Training on Molecular Biology, DNA Fingerprinting and DNA Barcoding**, 1st to 30th July 2013. Escherichia genomics (Pvt. Ltd.), New Delhi
12. Attended **Workshop on Molecular Techniques in Biological Research**, 7th to 9th March 2013. DBT sponsored Workshop. Center for Studies in Biotechnology, Dibrugarh University, Dibrugarh-786004
13. Attended **UGC sponsored National Workshop on Maintenance of Orchid Germplasm through Conventional Breeding**, 4th and 5th of March 2013 Organized by Department of Botany, Kaliabor College, In collaboration with Kaliabor Nursery.
14. Attended **Training Program on Molecular Techniques of Biotechnology**, Organized by Institutional Level Biotech Hub, Dibru College, Dibrugarh, sponsored by Department of Biotechnology, Government of India. 30th August to 1st September, 2012.
15. Attended **3rd Acharya P C Ray National Young Scientist's Conference**, 17 – 18 Feb, 2012 at Kolkata, India, organized by Presidency University, Calcutta University and Vivekananda Vijnan Mission (West Bengal chapter of Vijnana Bharti).

### Sponsored Project

Title of the project	Funding agency	Year of sanction	Role
Diversity of endolichenic fungi of Arunachal Pradesh, North East, India	DST	2021	PI