

## Personal Profile

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**Assistant Professor, Department of Botany**  
**Rajiv Gandhi University, Rono Hills, Doimukh**  
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## Educational Profile

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Ph.D.	Rajiv Gandhi University, Itanagar, Arunachal Pradesh; 2011 Supervisor: Prof. Rajiv Kumar Singh
B.Ed.	Arunachal University, Itanagar, Arunachal Pradesh; 2005 Subject: Education
M.Sc.	Arunachal University, Itanagar, Arunachal Pradesh; 2003 Subject: Botany Specialization: Biodiversity and plant taxonomy
B.Sc.	Arunachal University, Itanagar, Arunachal Pradesh; 2001 Subject: Botany

## Professional Experience

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<b>Assistant Professor (Sr. Scale),</b> Department of Botany, Rajiv Gandhi University, Arunachal Pradesh, India	June, 2016 - till date
<b>Assistant Professor,</b> Department of Botany, Rajiv Gandhi University, Arunachal Pradesh, India	June, 2012 - June, 2016

## Administrative Experience

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<b>Member, Campus beautification Advisory Committee,</b> Rajiv Gandhi University	April, 2019 – till date
<b>Warden, Dibang Halls of Residence,</b> Rajiv Gandhi University	September, 2021 – till date

## Awards & Honours

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1. Qualified SLET in 2005.

## Membership of Professional Bodies

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### Research Interests

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- Microbiology (Mycorrhiza)
- Phycology
- Plant tissue culture

### Research Publications

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1. Assessing the tropical forest cover change in northern parts of Sonitpur and Udalguri district of Assam, India: Mahato, R.; Nimasow, G.; Bushi, D.; **Nimasow, O. D.**; *Scientific Reports*, **2021**, *11(1)*, 11170 <https://doi.org/10.1038/s41598-021-90595-8>
2. Exploring traditional food preferences over age and gender among the Monpa tribes of West Kameng district, Arunachal Pradesh (India): Bapu, T. D.; Mahato, R.; Nimasow, G.; Gautam, B. J.; Sharma, S.; **Nimasow, O. D.**; *Science and Culture*, **2021**, *87(5-6)*, 227-231.
3. Assessment of algae present in the gut of *Tariqilabeo latius* (Hamilton, 1822) from Arunachal Pradesh, India: Jongkey, K.; Bushi, D.; Abujam, S.; **Nimasow, O. D.**; Nimasow, G.; Das, D. N.; *International Journal of Ecology and Environmental Sciences*, **2021**, *47(1)*, 43-47.
4. Spatial variation of the soil and water qualities in the mountain lakes at different altitude of Arunachal Pradesh, India: Abujam, S.; Bushi, D.; Jongkey, K.; **Nimasow, O. D.**; Nimasow, G.; Das, D. N.; *Ecology, Environment and Conservation*, **2021**, *27*(Feb. Suppl. Issue): S219-S225.
5. Effect of Arbuscular Mycorrhizal inoculation on growth of chili plant (*Capsicum frutescens* L.) in nitrogen amended soil: **Nimasow, O. D.**; Singh, R. K.; *Plant Cell Biotechnology and Molecular Biology*, **2020**, *21(41-42)*, 35-50.
6. Road kill of domestic animals along the national highway no. 52 (Banderdewa to Balipara), Assam (India): Nimasow, G.; **Nimasow, O. D.**; Bapu, T. D.; Bushi, D.; *Shodh Sanchar Bulletin*, **2020**, *10(38)*, 360-364.
7. Potential risk zonation of COVID-19 in Assam using analytic hierarchy process and geographical information system: Mahato, R.; Bushi, D.; Nimasow, G.; **Nimasow, O. D.**; *Journal of the Social Sciences*, **2020**, *48(4)*, 2072-2090.
8. Role of indigenous belief systems in conservation of animals among the Monpa and Shertukpen tribes of Arunachal Pradesh (India): Bapu, T. D.; Nimasow, G.; **Nimasow, O. D.**; *Shodh Sanchar Bulletin*, **2020**, *10(38)*, 155-162.
9. Analytic hierarchy process based potential risk zonation of COVID-19 in India: Mahato, R.; Nimasow, G.; **Nimasow, O. D.**; Bushi, D.; *Journal of the Social Sciences*, **2020**, *48(3)*, 4223-4238.
10. Tapping of resin from *Pinus roxburghii* Sargent in West Kameng district of Arunachal Pradesh (India): Handique, A.; Nimasow, G.; **Nimasow, O. D.**; *Journal of Bioresources*, **2020**, *7(1)*, 11-21.

11. Population status and conservation efforts of *Bos frontalis* (Mithun) in Adi tribe inhabited areas of Arunachal Pradesh, India: Apum, N.; Nimasow, G.; **Nimasow, O. D.**; Bapu, T. D.; Bushi, D.; *National Geographical Journal of India*, **2020**, *66(1)*, 59-68.
12. Remote sensing and GIS based suitability modeling of medicinal plant (*Taxus baccata* Linn.) in Tawang district, Arunachal Pradesh, India: Nimasow, G.; **Nimasow, O. D.**; Rawat, J. S.; Tsering, G.; Litin, T.; *Current Science*, **2016**, *110(2)*, 219-227.
13. Chuskor: an indigenous watermill for sustainable resource utilization by the Monpa tribes of Arunachal Pradesh: Tsering, G.; Nimasow, G.; **Nimasow, O. D.**; *Current Science*, **2015**, *109(2)*, 247-250.
14. Conservation efforts of an important medicinal plant (*Taxus baccata* Linn.) in West Kameng district of Arunachal Pradesh (India): Nimasow, G.; **Nimasow, O. D.**; Rawat, J. S.; Norbu, L.; *Earth Sciences*, **2015**, *4(3-1)*, 1-10.
15. Vanishing *Taxus baccata* L. due to unsustainable exploitation and climate change in West Kameng and Tawang districts of Arunachal Pradesh: Nimasow, G.; **Nimasow, O. D.**; Tsering, G.; *Earth Sciences*, **2015**, *4(3-1)*, 11-18.
16. Remote Sensing and GIS based suitability modeling of *Rubia cordifolia* L. in West Kameng district of Arunachal Pradesh (India): Nimasow, G.; Rawat, J. S.; **Nimasow, O. D.**; Tsering, G.; *International Journal of Advanced Remote Sensing and GIS*, **2015**, *4(1)*, 863-872.
17. Sustainable development of horticulture in West Kameng district of Arunachal Pradesh (India): A debate on food security and climate change: Nimasow, G.; Chozom, K.; **Nimasow, O. D.**; Tsering, P.; *Herald Journal of Geography and Regional Planning*, **2014**, *3(4)*, 131-139.
18. Status report of *Taxus baccata* Linn. In Jang-Thingbu areas of Tawang district, Arunachal Pradesh: Nimasow, G.; Litin, T.; **Nimasow, O. D.**; *Rajiv Gandhi University Research Journal*, **2013**, *12(1-2)*, 126-131.
19. Effect of AM inoculation on growth of chili (*Capsicum frutescens* L.) plant in phosphorus amended soil: **Dai, O.**; Singh, R. K.; *Rajiv Gandhi University Research Journal*, **2012**, *11(1)*, 122-134.
20. Ethnomedicinal knowledge among the Adi tribes of Lower Dibang Valley district of Arunachal Pradesh, India: Nimasow, G.; Ngupok, R.; **Nimasow, O. D.**; *International Research Journal of Pharmacy*, **2012**, *3(6)*, 223-229.
21. Floriculture prospects in Arunachal Pradesh with special reference to orchids: **Dai, O.**; Nimasow, G.; Bamin, S.; Chozom, K.; *Journal of Biodiversity and Environmental Sciences*, **2012**, *2(3)*, 18-32.
22. Remote sensing and GIS based biophysical inventory of West Kameng district of Arunachal Pradesh: Nimachow, G.; Rawat, J. S.; **Dai, O.**; *National Geographical Journal of India*, **2011**, *57(4)*, 83-90.
23. Sustainable management of *Pinus wallichiana* and *Phyllostachys bambusoides* by the Apatani tribes of Arunachal Pradesh (India): Nimasow, G.; Rawat, J. S.; **Dai, O.**; Loder, T.; *Rajiv Gandhi University Research Journal*, **2011**, *10(1-2)*, 61-70.

24. Effect of arbuscular mycorrhizal (AM) inoculation on growth of chili plant in organic manure amended soil: **Dai, O.**; Singh, R. K.; Nimasow, G.; *African Journal of Microbiology Research*, **2011**, 5(28), 5004-5012.
25. Ethno-medicines of Aka tribe, West Kameng district, Arunachal Pradesh (India): Nimachow, G.; Rawat, J. S.; Arunachalam, A.; **Dai, O.**; *Science and Culture*, **2011**, 77(3-4), 149-155.
26. Role of indigenous knowledge system in conservation of forest resources: A case study of the Aka tribes of Arunachal Pradesh (India): Nimachow, G.; Joshi, R. C.; **Dai, O.**; *Indian Journal of Traditional Knowledge*, **2011**, 10(2), 276-280.
27. Arbuscular mycorrhizal association with plants growing in acidic soils of Arunachal Pradesh: Gogoi, P.; **Dai, O.**; Singh, R. K.; *International Journal forest Usufructs Management*, 12(1), 3-18.
28. Cancer of illegal trade threatens the anti-cancer yews: Rawat, J. S.; Nimachow, G.; **Dai, O.**; Norbu, L.; Loder, T.; *Science and Culture*, **2011**, 77(1-2), 46-51.
29. Effect of AM inoculation on survival percentage and growth of chili (*Capsicum frutescens* L.) seedlings at different levels of soil pH: **Dai, O.**; Singh, R. K.; *Environmental Biology and Conservation*, **2011**, 16, 1-8.
30. Energy efficient *chulha* in rural Arunachal Pradesh: Rawat, J. S.; Sharma, D.; Nimachow, G.; **Dai, O.**; *Current Science*, **2010**, 98(12), 1554-1555.
31. A sustainable mountain paddy-fish farming of the Apatani tribes of Arunachal Pradesh, India: Nimachow, G.; Rawat, J. S.; **Dai, O.**; Loder, T.; *Aquaculture Asia Magazine*, **2010**, 15(2), 25-28.
32. Status report on *Phoenix rupicola* T. Anderson (Arecaceae) – an endemic and threatened wild palm in Pakhui Wildlife Sanctuary, East Kameng (Eastern Himalayas), India: Tag, H.; Mingki, T.; **Dai, O.**; Kalita, P.; Nimachow, G.; Das, A. K.; *Pleione*, **2010**, 4(1), 76-81.
33. Prospects of bamboo shoot processing in north-east India: Nimachow, G.; Rawat, J. S.; **Dai, O.**; *Current Science*, **2010**, 98(3), 288-289.
34. Status of Himalayan yews in West Kameng district of Arunachal Pradesh: Nimachow, G.; Rawat, J. S.; **Dai, O.**; *Current Science*, **2010**, 98(11), 1434-1437.
35. Linkages between bio-resources and human livelihood: A case study of Adi tribes of Mirem village, Arunachal Pradesh (India): Nimachow, G.; Taga, T.; Tag, H.; **Dai, O.**; *The Initiation*, **2008**, 1, 183-198.

## Patent

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## Book/Book Chapter published

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## Research guidance

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Post-doc fellow

### **Ph.D scholar**

1. Full name of the Scholar: Karo Jongkey  
Topic of research: A study on cyanobacterial diversity in wetlands from different altitudinal zones of Arunachal Pradesh, India  
Year of PhD degree: Ongoing
2. Full name of the Scholar: Hage Yakang  
Topic of research: Arbuscular mycorrhizal diversity in relation to degradation of tropical forests in Arunachal Pradesh  
Year of PhD degree: Ongoing
3. Full name of the Scholar: Mariyam Dai  
Topic of research: Diversity analysis of arbuscular mycorrhizal fungi across Daying Ering wildlife sanctuary: A Siang river mid channel island  
Year of PhD degree: Ongoing
4. Full name of the Scholar: Minam Pertin  
Topic of research: Arbuscular mycorrhizal fungi diversity in different forest types along altitude gradient in Arunachal Pradesh  
Year of PhD degree: Ongoing
5. Full name of the Scholar: Bengia Mamu (Co-Supervisor)  
Topic of research: Studies on in vitro propagation of selected ornamental orchids of Arunachal Pradesh  
Year of PhD degree: Ongoing

### **Course/Conference/Workshop organized**

1. Workshop on Algal diversity of Arunachal Pradesh by Department of Botany, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India  
Duration: 23<sup>rd</sup>-29<sup>th</sup> October, 2017  
Role: Coordinator

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

1. Delivered an oral presentation in Geopolitics and significance of water resources of Arunachal Pradesh, a National Seminar held at Department of Geography, Jawaharlal Nehru College, Pasighat, Arunachal Pradesh, India during 23<sup>rd</sup>-24<sup>th</sup> January, 2021.  
Title of the presentation: Lake as an alternative source of livelihood in Arunachal Pradesh, India
2. Delivered an oral presentation in Climate change & natural resources development strategies: Risk management and governance of mountainous region, an International Conference held at Department of Geography, Rajiv

Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India during 27<sup>th</sup>-29<sup>th</sup> November, 2014.

Title of the presentation: Vanishing *Taxus baccata* L. due to unsustainable exploitation and climate change in West Kameng and Tawang districts of Arunachal Pradesh

3. Delivered an oral presentation in Resources, tribes and state, an International Conference held at Arunachal Institute of Tribal Studies, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India during 13<sup>th</sup>-15<sup>th</sup> February, 2012.

Title of the presentation: Linkages between Akas and their forests: an analysis of problems and prospects for sustainable development in Arunachal Pradesh

4. Delivered an oral presentation in Climate Change, Development and Social transition in NE: Impact and Issues, a National Conference held at Department of Geography, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India during 10<sup>th</sup>-12<sup>th</sup> November, 2011.

Title of the presentation: Sustainable development of horticulture in West Kameng district: A debate on food security and climate change

5. Delivered an oral presentation in Climate Change, Development and Social transition in NE: Impact and Issues, a National Conference held at Department of Geography, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India during 10<sup>th</sup>-12<sup>th</sup> November, 2011.

Title of the presentation: Terrace cultivation: A sustainable mountain agriculture in Upper Siang district, Arunachal Pradesh

6. Delivered an oral presentation in Plant protection strategies in organic agriculture, a National Symposium held at Department of Sciences, Sciences, Manipur University, Imphal, India during 29<sup>th</sup>-30<sup>th</sup> October, 2010.

Title of the presentation: Effects of AM inoculation on growth of chili in organic manure amended soil

7. Presented a poster in 96<sup>th</sup> Indian Science Congress, a National Conference held at North Eastern Hill University, Shillong, Meghalaya, India during 3<sup>rd</sup>-7<sup>th</sup> January, 2009.

Title of the presentation: Arbuscular Mycorrhizal diversity in Arunachal Pradesh

8. Presented a poster in Biodiversity & Indigenous Knowledge System, a National Seminar held at Centre with potential for excellence in biodiversity, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India during 25<sup>th</sup>-26<sup>th</sup> October, 2006.

Title of the presentation: Arbuscular Mycorrhizal diversity in Arunachal Pradesh

9. Presented a poster in Arunachal Pradesh: Tradition in transition: Linking ecology, economics and ethics, a National Seminar held at Department of Forestry, North Eastern Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh, India 13<sup>th</sup>-16<sup>th</sup> September, 2005.

Title of the presentation: Wild edible mushrooms of Papumpare district in Arunachal Pradesh

**Sponsored Project**

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Title of the project	Funding agency	Year of sanction	Role
Sustaining the impact of Climate Change on Lentic wetlands of Arunachal Himalayan Region	DST, New Delhi	<b>2019</b>	<b>PI</b>

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