

Dr Mayanglambam Homeshwari Devi



Designation: Scientist
All India Network Project on Soil Biology and Biofertilizers
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Research specialization:

Soil fertility & Plant nutrition, Soil & Water Conservation, soil and plant analysis, phosphorus, zinc and silicon application in rice

Professional experience:

- Scientist - Indian Institute of Soil Science, Bhopal, India 2020...
- Research Associate - (NICRA, ICAR NEH Region, Umiam, Meghalaya 2011-2013)
- Project Assistant - Compost preparation for biodegradable solid waste of Nagamapal market, Imphal, Manipur 2010 -2011)
- Project Assistant - Characterization of Soil organic matter and its management in acid soil of North East, Manipur 2009- 2008

Awards and Honour:

- Awardee of Indian Council of Agricultural Research (ICAR)- Junior Research Fellowship, 2005
- Gold Medalist (M.Sc. Soil Science) from Allahabad Agricultural Institute -Deemed University, Allahabad, 2008
- Awardee of ICAR- Senior Research Fellowship, 2008-9, 2014
- Selected in Rajiv Gandhi National Fellowship for SC candidates, 2014-15

Top publications:

Research papers

- Manoj Kumar, A. K. Jha, S. Hazarika, B. C. Verma, B. U. Choudhury, T. Ramesh, P. Moirangthem, R. Kumar, Brajendra, D. J. Rajkhowa, A. Kumar and **M. H. Devi** (2016) Micronutrients (B, Zn, Mo) for improving crop production on acidic soils of Northeast India. *Natl. Acad. Sci. Lett.* (March-April 2016) 39 (2):85-89.
- **Homeshwari Devi, M.**, Rangappa, K., Sofia Devi, Y. and Kalidas Singh, S. (2018). Effects of silicon application on crop growth and productivity under stressful environments: A mini Review. *Advances in Bioresearch.* 996): 143-150.
- Kalidas Singh, S., Bora, I.P., Thakuria, D., Puyam, A., Rai, P. and **Homeshwari Devi, M.** (2019). Assessment of pre-burn forest litters biomass and nutrient quality at different fallow lengths in traditional and Alder-based Jhum. *Environement and Ecology.* 37(1):5-10.

- **Homeshwari Devi, M.**, Raghmani Singh, S., Sangbanabi Devi, N. and bimola Devi, N. (2019). Slope lengths effect on soil loss by using Universal soil loss equation in some agricultural soils of Manipur. *JETIR*. 6(4): 400-405.
- Manoj-Kumar, M. H. Khan, P. Singh, S.V.Ngachan, D. J. Rajkhowa, A. Kumar and **M. H. Devi** (2012) Valuable lime requirement based on differences in organic matter content of Iso- acidic soils. *Indian Journal of Hill Farming*, 25(1):26-30
- Sofia Devi Yanglem, Vishram Ram, Krishnappa Rangappa, **M. H. Devi**, N. J. Singh and A. K. Singh (2016) Effect of seed priming on germination and initial seedling growth of Pea (*Pisum sativum* L.) cultivars. *The Bioscan* 11(4):2625-2630
- Sofia Devi Yanglem, Krishnappa Rangappa, Prabha Moirangthem, Yanglem Kenedy Singh and **M.H. Devi** (2016) Water Chestnut (*Trapa natans* L.) : An Indigenous and Commercial Crop of North Eastern Hill Region. *Advances in Life Sciences* 5(22), Print: ISSN 2278-3849, 10232-10236.
- Indira Sarangthem and **M. Homeshwari Devi**. (2010). Compost preparation from bio-degradable solid waste of Nagamapal vegetable market, Imphal- an initiative. *CAU Research Newsletter*, July-December 2010, pp 3-4
- Kumar, M., Hazarika, S., Choudhury, B.U., Verma, B.C., Ramesh T., Moirangthem, P., Rajkhowa, D.J., Dey, J.K., Oppo, P. and **Devi, M.H.** (2021). Methylene blue spot test for Cation exchange capacity (CEC) estimation in acid soils of India. *Research Biotica*, 3(2): 124-127.

Book Chapter

- Haokip, I.C., Premalatha, R.P., **Homeshwari Devi, M.**, Jangir, C., Sunil, B.H., Kundu, S., Surekha, K. and Srinivasa Rao, Ch. (2020). Climate change adaptation and mitigation through soil management. In: Ch. Srinivasarao *et al.*, (Eds). *Climate Change and Indian Agriculture: Challenges and Adaptation Strategies*, ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana, India. pp-105-130