

## Curriculum Vitae

### Biodata

- ✍ **Name:** Shetie Gatew Mitiku
- ✍ **Sex:** male
- ✍ **Date of birth:** November 06, 1975
- ✍ **Place of birth:** Ethiopia
- ✍ **Address:** Department of Biology, college of Natural and computational Sciences, Arba Minch University, P.O.Box 21, Arba Minch Ethiopia
- ✍ **E-mail:** [shetieg@yahoo.com](mailto:shetieg@yahoo.com); [shetie.gatew@amu.edu.et](mailto:shetie.gatew@amu.edu.et)

### Education

- ✍ 2022- 2023- Associate professor of Earth and Environmental Sciences
- ✍ **2013-2017-** Doctor of Bioscience Engineering, Institute of Earth and Environmental Sciences, KULeuven, Leuven, Belgium
- ✍ **2005-2008-**Master of Environmental Science, Faculty of Sciences, Addis Ababa University, Ethiopia
- ✍ **1998-2001-** Bachelor of Education in Biology, Alemaya University, Ethiopia.

### Training (Certificate)

- ✍ Certificate on basic GIS and Remote sensing application
- ✍ DAAD international Summer School 2010 on “Environment and Resource Protection”
- ✍ Basic Computer Training skill
- ✍ Training on Environmental Lobbying and Advocacy

### Work Experiences

- ✍ 2008- present –Arba Minch University (AMU), Department of Biology, Environmental Science program, Arba Minch, Ethiopia
  - ✓ Assistant Professor, Senior Researcher, Lecturer
  - ✓ Director of Biodiversity Research and Conservation Center
  - ✓ Director of Institutional Quality Assurance
  - ✓ Coordinator of University- Industry linkage
- ✍ **2002 - 2005-** Teacher and unit leader at Debremarkos Secondary school, Ethiopia
  - ✓ Biology Teacher
  - ✓ Unit leader of the school
  - ✓ Anti- HIVAIDS club leader

## Awards

- ✍ 2007 award of Horn of Africa Regional Environmental Center and Network
- ✍ 2012 Sustainable tourism based on natural resource management with gender balance towards women (STRONGBOW) award
- ✍ 2014 International Student Conference on Environment and Sustainable Development Fund
- ✍ 2015 International conference on TropiLakes: Tropical lakes in a changing environment: water, land, biology, climate and humans

## Membership

- ✍ VLIR-IUC Funded Project South Team Member at Arba Minch University (2017-2022)
- ✍ Editorial manager of Omo International Journal of Sciences (2019-2022)
- ✍ Ethiopian Biological society
- ✍ Ethiopian Environmental Science Society
- ✍ Soil Science Society of Belgium
- ✍ Soil Science Society of Ethiopia
- ✍ Forum for Rift Valley Environmental Sciences

## Publications and Proceedings

1. **Gatew M. Shetie**, Stefaandoneyne, Jan Nyssen, Karen Vancampenhout, Jozef Deckers (2017). Elucidating woody vegetation patterns in relation to soil and topography in tropical Africa: the case of NechSar National Park (Ethiopia). *Plant Ecology and Evolution* .150(1): 45-58. <https://doi.org/10.5091/plecevo.2017.1162>
2. **Gatew, S.** (2019) ‘The soil and terrain map of Nech Sar National park, southern Ethiopia: lessons for improving soil cover data of Africa using SRTM data’, *Journal of Plant Physiology & Pathology*, 07, p. 2329. doi: 10.4172/2329-955x-c1-030
3. **Shetie Gatew** and Nura Guyo (2023). Livelihood vulnerability of Borana pastoralists to climate change and variability in southern Ethiopia. *International Journal of Climate Change Strategies and Management*. **In press**
4. **Shetie Gatew** and Abreham Chalew (2023). Evaluating Plant Leaf Tinctures against Maize Weevils (*Sitophilus zeamais* Motsch.) in Stored Maize (*Zea mays* L.) under Laboratory Conditions. *International Journal of Agronomy*. Volume 2023 | Article ID 5584859 | <https://doi.org/10.1155/2023/5584859>
5. **Shetie Gatew and** Desta Gudena (2023). Carbon stock potential of community managed natural forest in south Ethiopia: Implication to climate change. *Journal of Carbon Research* : Under review
6. **Shetie Gatew**, and Andargachew Mengistu (2023). Biochemical Characterization of Partially Stabilized *Partheniumhysterophorus* L. and Cow Dung Consortium and Its Effect on the Growth Performance of Maize (*Zea mays* L.). *Applied and Environmental Soil Science*. <https://doi.org/10.1155/2022/3375620>

7. Mohammed Seid , Simon Shibru , SerekebirhanTakele , DikasoUnbushe , Shetie Gatew (2023). People's attitudes and perceptions towards area enclosure in Ethiopian central rift valley: Implications for land restoration and livelihood improvement. Elsevier, Trees, Forests and People. <https://doi.org/10.1016/j.tfp.2023.100376>
8. **Gatew M. Shetie**, Stefaandoneyne, Jan Nyssen, Karen Vancampenhout, Jozef Deckers (2017). Elucidating woody vegetation patterns in relation to soil and topography in tropical Africa: the case of NechSar National Park (Ethiopia). *Plant Ecology and Evolution* .150(1): 45-58. <https://doi.org/10.5091/plecevo.2017.1162>
9. Tiruwork Yayeh , Awoke Guadie **Shetie Gatew** (2021). Adoption and fuel use efficiency of *mirtstove* in Dilla district, southern Ethiopia. *Clean Engineering and Technology* 4(2021) 100207.
10. Awoke Guadie, Asamin Yesigat, **Shetie Gatew**, AbebeWorku, Wenzong Liu, Fidelis OdedishemiAjibade, Aijie Wang (2021). Evaluating the health risks of heavy metals from vegetables grown on soil irrigated with untreated and treated wastewater in Arba Minch, Ethiopia. *Science of The Total Environment*. volume 761. <https://doi.org/10.1016/j.scitotenv.2020.143302>
11. Awoke Guadie, AsaminYesigat, **Shetie Gatew**, AbebeWorku, Wenzong Liu, MengistMinale, Aijie Wang (2021). Effluent quality and reuse potential of urban wastewater treated with aerobic-anoxic system: A practical illustration for environmental contamination and human health risk assessment, *Journal of Water Process Engineering*. Volume 40. <https://doi.org/10.1016/j.jwpe.2020.101891>
12. Simon Shibru, Habtamu Asres, Seyoum Getaneh, **Shetie Gatew** (2021). Aboveground and soil seed bank woody flora comparison in plantation and natural forest, south Ethiopia: an implication for forest ecosystem sustainability. *Journal of sustainable Forestry*. DOI: 10.1080/10549811.2021.1979414
13. Asamin Yesigat, Abebe Worku, Addisu Mekonnen, Wookeun Bae, Gudina Legese, Feyisa, **Shetie Gatew**, Jing-Long Han, Wenzong Liu, Aijie Wang, Awoke Guadie (2022). Phosphorus recovery as K-struvite from a waste stream: A review of influencing factors, advantages, disadvantages and challenges. *Environmental Research*. doi: <https://doi.org/10.1016/j.envres.2022.114086>.
14. **Shetie Gatew**, Stefaan Dondeyne, Karen Vancampenhout, Jan Nyssen, Cedric Marsboom and JozefDeckers (2015) *Book of abstracts TropiLakes2015 : Tropical lakes in a changing environment: water, land, biology, climate and humans*. p.96-96
15. **Shetie, Gatew**, Stefaan dondeyne, Jan Nyssen, Karen Vancampenhout, Jozef Deckers (2021) . Natural resource conservation service National conference. USDA. Poster presentation. [https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/partnership/ncss/?cid=nr\\_cseprd1782025](https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/partnership/ncss/?cid=nr_cseprd1782025)
16. Shibru, S., Tolcha, A., Melese, M., Ayechew, B., Tsegaye, G., & **Gatew, S.** (2023). Perceptions of farmers towards carnivores in an Ethiopian protected area. September, 1–10. <https://doi.org/10.1111/aje.13218>

### **Conference Attended**

1. International Congress: Livelihood 2013 Sustainable livelihood in the tropical drylands. 17-22 September 2013. Mekele, Ethiopia
2. International symposium Sustainable water resource development . 24-25 May 2019. Arba Minch , Ethiopia
3. National symposium on Science for Sustainable Development. 16-17 April, 2021. Arba Minch, Ethiopia
4. National symposium on Science for Sustainable Development. 16-17 April, 2022. Arba Minch, Ethiopia
5. National symposium on Science for Sustainable Development. 16-17 April, 2023. Arba Minch, Ethiopia

### **Other information about me**

- I have not had any criminal conviction or criminal report in my country or abroad
- I have no any penalty or dissimilal of employment from any organization which I have employed
- I do not speak, write, listen an Italian language
- I have no family or affinity ties up to and including the fourth degree with a professor belonging to the proposing structure or with the Rector, the Director.
- I don't have any ongoing employment relationship

### **Certification**

All the above-mentioned details are true to the best of my knowledge and I assure to provide the necessary testimonials and/or proofs to validate and substantiate the same.

Sincerely yours,

Shetie Gatew (PhD, Associate professor )