

Name: Binyam Alemu Yosef

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR  
PERSONAL STATEMENT

Lectures for the programme of Natural Resources Management. Involve in research and developmental project activities of the course programme. Participate in community services.

WORK EXPERIENCE

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01/10/2022 – 31/03/2024

Research Student at United Graduate School of Agricultural Science,  
Tokyo University of Agriculture and Technology

01/10/2019 – 14/09/2022

PhD in Symbiotic Science of Environment and Natural Resources  
Watershed hydrology and Ecosystem Management Laboratory  
Tokyo University of Agriculture and Technology

24/09/2009 – 23/08/2017

Lecturer and Researcher

▪ Wollo University Website: [www.wu.edu.et](http://www.wu.edu.et) Email: [info@wu.edu.et](mailto:info@wu.edu.et) Tel: +251338110289  
Fax: +2513333115232 P.O.Box 1145 Dessie, Ethiopia

▪ Lecturing courses for the course programme. Participate in developmental projects activities and research studies related to the course programmes. Organize and facilitate the establishment of practical learning demonstration site with and around the compounds of the campus.

Business or sector

Educational and Research Institutions

17/01/2017 – 23/08/2017

▪ Department head of Soil and Water Resources Management



**Skills** Competent with GIS and Remote Sensing principles and application (Arc GIS, QGIS, ERDAS Imagine, ILWIS, Global Mapper), Basic knowledge on SPSS/SAS packages and Advance R Software research analysis.

- good communication skills gained through my experience as RS and GIS expert

**Organisational / managerial skills**

**Team Leader**

- Wollo University, I was head department of soil and water resources management

**Job-related skills**

Department quality assurance and research chairman:

- assessing the type and content of exams, research, and community services

**Digital competence**

| SELF-ASSESSMENT        |                 |                  |                 |                 |
|------------------------|-----------------|------------------|-----------------|-----------------|
| Information processing | Communication   | Content creation | Safety          | Problem solving |
| Proficient user        | Proficient user | Proficient user  | Proficient user | Proficient user |

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

**PC Diploma**

PC Diploma (Basic Computer Skills: Introduction to Computer and MS-Windows, MS-Word, MS-Excel, MS-Access, MS-Power Point, MS-Publisher, Basic Internet Service)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

**Other skills**

Certificate of Competence as Consultant in an Environmental Impact Assessment Studies:

- Water Resource Management Expert
- Land Use Management Expert
- Biodiversity Analyses Expert

**Acquisition records of competitive research funds**

- Center for International Forestry Research (CIFOR); Carbon Stock Potentials of Woodlands and Land Use/Land Cover Change in North-western Lowlands of Ethiopia; from 01/09/2011 to 09/30/2012; Total grant: 4,000 EUR.
- Erasmus Mundus Joint Masters Scholarships Awarding institution: European Commission; from 01/08/2017 to 30/07/2019; Total grant: 48,000 EUR.
- Doctoral Study by Ministry of Education, Culture, Sports, Science and Technology MEXT; from 01/10/2019 to 30/09/2022; 148,000 ¥/month.

**PhD Thesis Title:** Evaluating soil and ground cover characteristics for developing a simple distributed soil erosion model in headwater catchments

**Funded:** The Ministry of Education, Culture, Sports, Science and Technology (Monbukagakusho: MEXT) (Tokyo, JP)  
<https://www.mext.go.jp/en/about/index.htm>

1. BA Yosef, H Hasenauer, E Pötzelsberger (2021). Growth Assessment of Tree Species Growing in the Amhara Region in Ethiopia, *Journal of Sustainable Forestry*, 1-30, <https://doi.org/10.1080/10549811.2021.1944880>
2. Binyam Alemu YOSEF, Takashi GOMI, Mitsuru OOHIRA, Yoshimi UCHIYAMA (2021). Soil erodibility estimation for modeling soil erosion in hillslope and watershed scales, *Japan Society of Erosion Control Engineering*, 477-478.
3. Binyam Alemu YOSEF, Takashi GOMI (2020). Assessment of soil erosion using RUSLE model, LiDAR remote sensing and GIS in Oborasawa Watershed, *Japan Geoscience Union-American Geophysical Union*, BBG02-10.

**MSc Thesis Title:** Carbon stock potentials of woodlands and land use and land cover changes in north western lowlands of Ethiopia

**Funded:** Center for International Forestry Research (CIFOR) (Addis Ababa, Ethiopia) <https://www.cifor.org/>

1. Binyam Alemu Yosef, Zewdu Eshetu, Efreem Garedeew & Habtemariam Kassa (2019). Carbon stock potentials of woodlands in north western lowlands of Ethiopia, *Journal of Sustainable Forestry*, 38 (7), 629-650 <https://doi.org/10.1080/10549811.2019.1598874>
2. Alemu B, Eshetu Z, Garedeew E, Kassa H (2015). Assessment of vegetation characteristics and production of *Boswellia papyrifera* woodlands in north western lowlands of Ethiopia. *Sky Journal of Agricultural Research*, 4(1): 8-13. <https://www.cifor.org/knowledge/publication/5833/>
3. Alemu B, Garedeew E, Eshetu Z, Kassa H (2015). Land Use and Land Cover Changes and Associated Driving Forces in North Western Lowlands of Ethiopia. *Int. Res. J. Agric. Sci. Soil Sci.*, 5(1): 28-44. <https://doi.org/10.14303/irjas.2014.063>

**Funded:** Wollo University, Ethiopia

1. Mezgebu Afessa and Binyam Yosef (2018). Impact of irrigation on the water level of Lake Maybar, Northeast Ethiopia. *International Journal of River Basin Management*, 17 (4), 489-506 <https://doi.org/10.1080/15715124.2018.1461105>
2. Shankargouda Krishnagouda Goudar, Ayalew Berhanu, Adem Mohammed and Binyam Alemu (2017). Assessment of Distribution and Characteristics of Domestic Damage Caused by Wild Animals Around Yegof National Forest Priority Area. *Abyss. J. Sci. Technol.* 2(1): 8-16. <https://doi.org/10.20372/ajst.2017.2.1.66>
3. Assefa Tecklie and Binyam Yosef (2022). Assessment of Major Wetlands' Current Situation and Their Contribution To Livelihood Improvement, South Wollo, Ethiopia. *International Journal of Ecology*, 1-10, <https://doi.org/10.1155/2022/9697899>

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 ADDITIONAL INFORMATION
 

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## Certifications

- 1) Certificate on **Publish Open Access Books**, Taylor and Francis Group, 27 July 2021.
- 2) Certificate on **AfriAlliance MOOC on Social innovation in Water and Climate Change in Africa**, UNESCO-IHE, Delft, the Netherlands, 13 July 2020.
- 3) Certificate on **Remote Sensing and Digital Image Processing**, Faculty of Geo-information Science and Earth Observation, University of Twente, the Netherlands, 17 Apr 2017 to 07 Jul 2017.
- 4) Certificate on **Competing Claims on Land, Water and Other (Agricultural) Resources**, reconciling agricultural development and biodiversity conservation at the landscape level. Wageningen Centre for Development Innovation (CDI), Wageningen, the Netherlands, 27 February – 10 March 2017.
- 5) Certificate on **Geographic Information System (GIS) and Remote Sensing (RS) Applications for the Water Sector**, UNESCO-IHE, Delft, the Netherlands, 26 October 2015 – 06 November 2015.
- 6) Certificate on **Statistical Methods Using SPSS Software with Practical Data Analysis**, 20-22 July 2015, Dessie, Ethiopia.
- 7) Certificate of Competence as Consultant in an Environmental Impact Assessment Studies as a **Water Resource Management Expert** in Category of Junior **Consultant 1**, FDRE, Ministry of Environment and Forest, 15 May 2015, Addis Ababa, Ethiopia.
- 8) Certificate of Competence as Consultant in an Environmental Impact Assessment Studies as a **Land Use Management Expert** in Category of Junior **Consultant 1**, FDRE, Ministry of Environment and Forest, 15 May 2015, Addis Ababa, Ethiopia.
- 9) Certificate of Competence as Consultant in an Environmental Impact Assessment Studies as a **Biodiversity Analyses Expert** in Category of Junior **Consultant 1**, FDRE, Ministry of Environment and Forest, 15 May 2015, Addis Ababa, Ethiopia.
- 10) Certificate on **Concepts and Usage of GPS/GIS, Remote Sensing, Tracking Routs and Marking Locations, Downloading and Uploading to GPS and Developing a Map**, April 2015, McKnight Foundation, Wollo University and Institute for Sustainable Development, Dessie, Ethiopia.
- 11) Certificate of Community Service on “Participatory integrated watershed development and water harvesting technologies for sustainable scale up system”, 1-7 March, 2014.
- 12) PC Diploma (Basic Computer Skills: Introduction to Computer and MS-Windows, MS-Word, MS-Excel, MS-Access, MS-Power Point, MS-Publisher, Basic Internet Service), Admas University College, 24 May 2010, Dessie, Ethiopia.

## Conferences

- 1) Annual Conference of Japan Society of Erosion Control Engineering, 19-21 May 2021, Japan.
- 2) JpGU-AGU Joint Meeting 2020, Assessment of soil erosion using RUSLE model, LiDAR remote sensing and GIS in Oborasawa Watershed, July 2020, Japan.
- 3) International Day of Forests, Forests and Our Climate, 21 March 2016, Wollo University, Dessie, Ethiopia.
- 4) Amhara Region Soil Campaign, Healthy Soils for a Healthy Life, 4-5 December 2015, Wollo University, Dessie, Ethiopia.
- 5) Training of Trainer on Water and Land Resources Information System (WALRIS), Watershed Management Tool and Ethio-GIS-II, WLRC, 09-15 June 2015, Bahir Dar, Ethiopia.
- 6) Workshop on “Sustainable Management of Logo Hayk Watershed for Agricultural Intensification and Ecosystems”, 21-22 May 2015, Venue: Lij Eyasu, Dessie, Ethiopia.

## Publications

- 1) Assefa Tecklie, Binyam Yosef (2022). Assessment of Major Wetlands' Current Situation and Their Contribution To Livelihood Improvement, South Wollo, Ethiopia. *International Journal of Ecology*, 1-10, <https://doi.org/10.1155/2022/9697899>
- 2) Binyam Alemu YOSEF, Takashi GOMI, Mitsuru OOHIRA, Yoshimi UCHIYAMA (2021). Soil erodibility estimation for modeling soil erosion in hillslope and watershed scales, *Japan Society of Erosion Control Engineering*, 477-478.
- 3) BA Yosef, H Hasenauer, E Pötzelsberger (2022). Growth Assessment of Tree Species Growing in the Amhara Region in Ethiopia, *Journal of Sustainable Forestry*, 41 (9), 799-828, <https://doi.org/10.1080/10549811.2021.1944880>
- 4) Binyam Alemu YOSEF, Takashi GOMI (2020). Assessment of soil erosion using RUSLE model, LiDAR remote sensing and GIS in Oborasawa Watershed, *Japan Geoscience Union-American Geophysical Union*, BBG02-10.
- 5) Binyam Alemu Yosef, Zewdu Eshetu, Efreem Garedeew & Habtemariam Kassa (2019). Carbon stock potentials of woodlands in north western lowlands of Ethiopia, *Journal of Sustainable Forestry*, 38 (7), 629-650. <https://doi.org/10.1080/10549811.2019.1598874>
- 6) Binyam Yosef & Mezgebu Afessa (2018). Impact of irrigation on the water level of Lake Maybar, Northeast Ethiopia. *International Journal of River Basin Management*, 17 (4), 489-506. <https://doi.org/10.1080/15715124.2018.1461105>
- 7) Shankargouda Krishnagouda Goudar, Ayalew Berhanu, Adem Mohammed and Binyam Alemu (2017). Assessment of Distribution and Characteristics of Domestic Damage Caused by Wild Animals Around Yegof National Forest Priority Area. *Abyss. J. Sci. Technol.* 2(1): 8-16. <https://doi.org/10.20372/ajst.2017.2.1.66>
- 8) Alemu B, Kidane D (2015). Rainwater harvesting: An option for dry land agriculture in arid and semi-arid Ethiopia. *International Journal of Water Resources and Environmental Engineering*, 7(2): 17-28. <https://doi.org/10.5897/IJWREE2014.0539>
- 9) Kidane D, Alemu B (2015). The Effect of Upstream Land Use Practices on Soil Erosion and Sedimentation in the Upper Blue Nile Basin, Ethiopia. *Research Journal of Agriculture and Environmental Management*, 4(2): 55-68. <http://www.apexjournal.org>
- 10) Alemu B, Eshetu Z, Garedeew E, Kassa H (2015). Assessment of vegetation characteristics and production of *Boswellia papyrifera* woodlands in north western lowlands of Ethiopia. *Sky Journal of Agricultural Research*, 4(1): 8-13. <https://www.cifor.org/knowledge/publication/5833/>
- 11) Alemu B (2015). The Effect of Land Use Land Cover Change on Land Degradation in the Highlands of Ethiopia. *Journal of Environment and Earth Science*, 5(1): 1-12. <https://www.iiste.org/Journals/index.php/JEES/article/view/18912>
- 12) Alemu B, Garedeew E, Eshetu Z, Kassa H (2015). Land Use and Land Cover Changes and Associated Driving Forces in North Western Lowlands of Ethiopia. *Int. Res. J. Agric. Sci. Soil Sci.*, 5(1): 28-44. <https://doi.org/10.14303/irjas.2014.063>
- 13) Alemu B (2014). The Role of Forest and Soil Carbon Sequestrations on Climate Change Mitigation. *Research Journal of Agriculture and Environmental Management*, 3(10): 492-505. <http://www.apexjournal.org>
- 14) Alemu B, Kidane D (2014). The Implication of Integrated Watershed Management for Rehabilitation of Degraded Lands: Case Study of Ethiopian Highlands. *Journal of Agriculture and Biodiversity Research*, 3(6) 78-90. <https://api.semanticscholar.org/CorpusID:130932439>

## References

- 1) Prof. Takashi GOMI, Tokyo University of Agriculture and Technology, Watershed hydrology and Ecosystem Management Laboratory, Email: gomit@agr.nagoya-u.ac.jp Tel: 042-367-5751
- 2) Prof. Katsushige Shiraki, Tokyo University of Agriculture and Technology, Graduate School of Agriculture, Graduate School of Nature Conservation, Email: shirakik@cc.tuat.ac.jp Tel: 042-367-5750
- 3) Prof. Dipl.-Ing. Dr.nat.techn. Hubert Hasenauer, Institute for Silviculture, BOKU, Email: hubert.hasenauer@boku.ac.at Tel: +43 1 47654-10001