



Getu Tsegu Nuguse

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Residence permit: I20512159 **Passport:** EP8341679 **Date of birth:** 30/07/1991 **Place of birth:** Holleta, Ethiopia **Nationality:** Ethiopian

WORK EXPERIENCE

[01/11/2022 – Current]

PhD Candidate

University of Bologna

City: Bologna | **Country:** Italy

Since November 1, 2022, all of the following tasks have been completed:

Courses

Agenda 1: November 1-2022, end of January 2023.

1. Theme A: The earth system
2. Theme B: Impacts, adaptation and vulnerability
3. Theme C: Technological innovations for decarbonized society
4. Theme D: Socio-economic and legal studies for mitigation of climate change
5. Theme E: One Health

Agenda 2: February 6-2023 to the end of March 2023.

1. Theme B: Impacts, adaptation and vulnerability (The challenge of global change for biodiversity in terrestrial and marine ecosystems)
2. Theme E: One Health (Health determinants at the human, animal, and environmental interfaces)
3. two additionally compulsory courses
 - 3.1. Statistical analysis
 - 3.2. High Performance Computing (HPC) and Big Data analysis by CINECA

Training

1. Benvenuti in Italia! Orientarsi con l'italiano
2. Module 1. Safety General Training
3. Module 2. Safety Specific Training: Low risk
4. Laboratory work: Ospedale S. ORSOLA
5. SimaPro software 9.2.0.2
6. Sage research method platform-training session materials 2024
7. Doing research with interviews and questionnaires

Seminar

1. Public opinion on laying hen
2. Ammonia emissions from pig farms: from problem to resource.
3. From Physics Derivations to Computational and Interdisciplinary Modelling.
4. Ocean solutions for climate crisis

Webinar

1. Strategies and research findings to mitigate methane emissions from ruminants

Ongoing activities

Using SimaPro, data collected from eight farms will be examined to assess the environmental impacts of

1. Hyline brown and Lohman brown pullets raised in cage and floor systems,
2. Both white and brown egg layer birds raised in aviaries, along with comparisons.

Taking into account two scenarios

1. Feed replacement (imported feed with locally available ones)
2. Yield (increase or decrease, taking farm data as a baseline)
3. Strategy for disposing of manure*

Writing review articles

The environmental impacts of layer production: A systematic review of various production systems. Unpublished, under the review of supervisor and other colleagues

[10/07/2019 – 30/09/2022]

Biology Lecturer

Kotebe University of Education

City: Addis Ababa | **Country:** Ethiopia

I was teaching undergraduate students courses like biotechnology, molecular biology, and other biological courses. Preparing lectures, leading laboratory practices, preparing exams, grading papers, and leading review and feedback sessions for the students. Conduct academic research.

[09/08/2016 – 09/07/2019]

Lecturer's assistant

Kotebe University College

City: Addis Ababa | **Country:** Ethiopia

I was delivering different biological courses to diploma and certificate students. I was also evaluating their performance

[09/08/2015 – 03/08/2016]

Technical Assistant II

Kotebe University College

City: Addis Ababa | **Country:** Ethiopia

I was actively preparing chemicals and equipment used for biological laboratory activities. Assisting the main teacher during laboratory activities. Additionally, I was supposed to correct and evaluate the laboratory report.

[25/03/2013 – 08/08/2015]

Technical assistant I

Kotebe College of Teachers Education

City: Addis Ababa | **Country:** Ethiopia

I was preparing chemicals and equipment used for biological laboratory activities. Assisting the main teacher during laboratory activities.

EDUCATION AND TRAINING

[01/11/2022 – Current]

Doctor of Philosophy, PhD

University of Bologna | <https://www.unibo.it/it>

City: Bologna | **Country:** Italy |

[30/09/2016 – 10/07/2019]

Masters of Science in Biotechnology

Addis Ababa University | www.aau.edu.et

Address: Arada sub city, 6 kilo, 1176, Addis Ababa, Ethiopia | **Field(s) of study:** Biotechnology (Industrial) | **Final grade:** 3.93 | **Type of credits:** ECTS |

Number of credits: 71 | **Thesis:** Bioethanol production via fermentation of waste substrates using wild yeasts

Biochemistry, Enzymology, Microbial Biotechnology, Genetic Engineering, Molecular Biology, Bioinformatics, Biosafety, Current Topics in Biotechnology, Techniques in Biotechnology, Advanced Biostatistics, Pedagogy, Research Methods, Thesis

[30/09/2013 – 30/06/2016]

Bachelor of Science in Biology

Kotebe University College www.kmu.edu.et

Address: Yeka sub city, kotebe, woreda 11, 31248, Addis Ababa, Ethiopia | **Field(s) of study:** Biology | **Final grade:** 3.82 | **Type of credits:** Cr.Hrs. | **Number of credits:** 108

See transcript (available on request)

[30/09/2010 – 26/06/2012]

Diploma in Major Biology, and Minor, Chemistry

Kotebe College of Teacher Education www.kmu.edu.et

Address: Yeka sub city, Kotebe, woreda 11, 31248, Addis Ababa, Ethiopia | **Field(s) of study:** Major Biology and Minor Chemistry | **Final grade:** 3.91 | **Type of credits:** Cr.Hrs. | **Number of credits:** 112

See transcript (available on request)

LANGUAGE SKILLS

Mother tongue(s): Afan Oromo , Amharic

Other language(s):

English

LISTENING C1 READING C2 WRITING C2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Italian

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Life Cycle Assesment - SIMAPRO | IBM Statistical package for Sciences (SPSS) | Communications | Problem-solving | Research | Results Oriented | Team-work oriented | Independent Worker | Written and Verbal skills | Good listener and communicator | Reliability | Creativity | Flexibility | Responsibility | Good time management | Good Communication | positive thinking | Cross cultural skills | Friendly | Strong Computer Skills | Microsoft Office 365 | Content writing | Respectfull | Quick learner

PUBLICATIONS

[2022] [**Bioethanol production from biodegradable wastes using native yeast isolates from Ethiopian traditional alcoholic beverages**](#)

Reference: Getu Tsegu, Dagim Jirata Birri, Fitsum Tigu, Anteneh Tesfaye (2022).Bioethanol production from biodegradable wastes using native yeast isolates from Ethiopian traditional alcoholic beverages.Biocatalysis and Agricultural Biotechnology.Vol. 43,102401

Write here the description...

RECOMMENDATIONS

Name: Angelo Peli (Professor) Supervisor

Currently I am working with Professor Angelo Peli for my PhD thesis

Phone number: (+39) 3358169721 | **Email:** angelo.peli@unibo.it

Name: Fitsum Tigu (Assistant Professor) Academic advisor

- He was my thesis Advisor (Msc thesis)

Phone number: (+251) 912215315 | **Email:** fitsum.tigu@aau.edu.et

Name: Anteneh Tesfaye (Assistant Professor) Academic advisor

He was my thesis supervisor

Phone number: (+1) 2048074019 | **Email:** anteneh.tesfaye@aau.edu.et

Name: Tewodros Mulugeta (Assistant professor) Work staff

-I have known him since 2018 and he is my colleague

Phone number: (+251) 911344747 | **Email:** mulugetatewodros@gmail.com

Declaration: Any information submitted to you in support of my request is correct that pertains to me.

Bologna, Italy, 30/12/2024