CONTACT INFORMATION

Last name, First name: Masho Hilawie, Belay
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EDUCATION (degree and subject, supervisor, university, "title of thesis", year)

Ph.D. in Chemistry & Biology, Prof. Elisa Robotti, Università del Piemonte Orientale (Alessandria, Italy), "Evaluation of contaminants of emerging concern and their transformation products in water", March 2022.

M.Sc. in Environmental Chemistry, Prof. Bjørn K. Alsberg and Prof. Per Johan Brandvik, Norwegian University of Science and Technology (Trondheim, Norway), "Oil spill forensics – Identification of sources for illegal oil spills. A new approach combining multivariate statistics and gas chromatography-mass spectrometry (GC-MS)", June 2016.

M.Sc. in Analytical Chemistry, Dr. Ahmed Hussen Dekebo, Hawassa University (Hawassa, Ethiopia), "Utilization of locally available biosorbents for the removal of Cr(VI) and Pb(II) from polluted waters", November 2011.

EMPLOYMENT (position, institution, duration)

Postdoctoral Researcher, Università del Piemonte Orientale (Italy), April 2023 – Current.

ESR / PhD Researcher, Università del Piemonte Orientale (Italy), July 2018 – March 2022.

Assistant Professor, Mekelle University (Ethiopia), 2018 – Current, on research leave.

Lecturer, Mekelle University (Ethiopia), 2009 – 2018.

Graduate Assistant, Mekelle University (Ethiopia), 2007 – 2009.

AWARDS AND DISTINCTIONS

- The Norwegian Quota Scheme **Scholarship** to pursue a master's degree at Norwegian University of Science and Technology (NTNU), August 2014.
- Graduated with **Very Great Distinction** for my Master in Analytical Chemistry with a CGPA of 3.97/4.00 from Hawassa University (Ethiopia) in June 2012.
- Graduated with **Great Distinction** for my bachelor's degree in chemistry with a CGPA of 3.81/4.00 from Jimma University (Ethiopia) in June 2007.

RESEARCH GRANTS (PI, year, project name, funding agency, role)

- Prof. Paola Calza and Prof. Elisa Robotti, 2023, Horizon 2020 MSCA-DN project IN2AQUAS (Grant Agreement in progress), EU, Postdoctoral Researcher.
- Prof. Francesco Dondero, 2022, H2020 RIA project SCENARIOS (Grant Agreement No: 101037509), EU, Postdoctoral Researcher.
- Prof. Paola Calza and Prof. Elisa Robotti, 2018, H2020 MSCA-ITN project AQUAlity (Grant Agreement No: 765860), EU, Marie Curie ESR to pursue a PhD.

OTHER RELEVANT INFORMATION

- ***Visiting Researcher / Secondments:***
  1. Eurolab Srl (Vicenza, Italy), Tutor – Dr. Gianluca Coppola, July – October 2022.
  2. University of Turin (Turin, Italy), Tutor – Prof. Claudio Medana, April – June 2021.
  3. University of Ioannina (Ioannina, Greece), Tutor – Prof. Vasilios Sakkas, September – November 2020.
  4. Eurofins Miljø A/S (Vejen, Denmark), Tutors – Dr. Peter Mortensen and Dr. Ulrich Precht, December 2019 – May 2020.
  5. Karadeniz Technical University (Trabzon, Turkey), Tutors – Dr. İlknur Altın and Prof. Emin Bacaksiz, October – December 2019.
- ***European Researchers' Night*** participation**:** 2019, 2020, and 2021.
- ***Presentations*** in (inter)national conferences since 2018: A total of 18 presentations (7 oral and 11 poster presentations).
- ***Supervision*** of 4 Master and 5 Bachelor students at the Università del Piemonte Orientale, DISIT since 2018.
- ***ESRs Representative*** in the Supervisory Board of the MSCA-ITN project AQUAlity (grant agreement no. 765860), April 2020 – May 2021.

RESEARCH INTERESTS

- Method development and validation for the determination of emerging contaminants of concern in water and human biological samples (e.g., urine, serum, plasma, milk) using UHPLC-MS(MS), GC-MS(MS) and HRMS.
- Non-target analytical methods for the identification and characterization of emerging contaminants in the aquatic environment and human biological samples.
- Degradation studies applying advanced oxidation processes (AOPs) and identification of transformation products of emerging contaminants in water.
- Water quality assessment.
- Experimental design (DoE) techniques for the optimization of analytical methods.
- Oil spill forensics employing GC-MS(MS) and chemometric methods.

PUBLICATIONS

- ORCID: https://orcid.org/0000-0002-2415-5520
- Google Scholar: https://scholar.google.com/citations?hl=en&user=nl_s_moAAAAJ
- LinkedIn: https://www.linkedin.com/in/masho-hilawie/