

## CURRICULUM VITAE

**Surname, Name:** Mosulishvili Marine

**Nationality:** Georgian

**Postal Address** Institute of Ecology, Ilia State University  
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### **Education & Professional Training:**

2002 – Fellowship, Virginia Tech & University. Blacksburg, VA, USA.

1999 – Fellowship, Missouri Botanical Garden, St. Louis, MO, USA.

### **Degrees:**

1985 – Ph.D., Botany.

1978 – Master of Science, Tbilisi State University.

### **Working Experience :**

2013 – now Assoc. Prof. Ilia State University

2008 – 2012 Assist. Prof. Ilia State University

2006 – now Curator, Georgian National Museum

1901 – 2006 Senior Researcher, Institute of Botany, Georgian Academy of Sciences

1986 – 2001 Researcher, Institute of Botany, Georgian Academy of Sciences

1978 – 1985 Scientific worker, Institute of Botany, Georgian Academy of Sciences

**Research Interest:** Plant taxonomy, Ecology, Systematics and phylogenetic relationships; Plant diversity and conservation; Monocots; Wheat (*Triticum*) evolution and domestication

### **Grants - Last 15 years (2009 - 2023):**

**1. The project “Building a Plant Diversity Information Infrastructure for Georgia” 2023 -2025.** funded by the VW-Foundation Germany and based on the Memorandum of Understanding (MoU) between the Berlin Botanical Garden and the National Museum of Georgia

**2. Shota Rustaveli National Science Foundation of Georgia** (Grant № FR17\_566). **2018 – 2020.** Restoration, conservation and characterization of collections of endemic and wild wheats of Georgia. Expert Botanist/Taxonomist.

**3. Influence of climate variability on the dynamics and structure of old-growth temperate rainforests** (Funded by the EU Program FP7-PEOPLE-2012-IEF 329935). **2014-2016.** (USA, Switzerland, Spain, Turkey, Georgia -International Project). Expert Botanist.

**4. “Baseline (background) studies on four protected areas” within the project #SPPA/CS/2015-5/RE1. 2015.** [Support Programme for Protected Areas in the Caucasus – Georgia]. GIS and RSConsulting Center “GeoGraphic” (BMZ-N 2008.6582.4). Expert Botanist.

**5. USDA/ARS grant (USDA EA 58-1275-9-130F. # 1275-21000-227-12S). 2009 – 2014.** Plant Exploration and Exchange in the Republic of Georgia. Wild *Lactuca*, *Camelina*, *Medicago*, *Fragaria* Germplasm for Crop Preservation, Documentation, and Improvement. Co-Principal Investigator

**6. Conservation and Sustainable Utilization of Crop Wild Relatives in Samtskhe-Javakheti Region supported by Biological Farming Association “Elkana”, 2008 -2009.** Under project “Recovery, Conservation and Sustainable Use of Georgia’s Agro-biodiversity” Financed by global Environmental Facility (GEF) through local UNDP office. Expert Botanist

#### **Participation in International Conferences (2009 - 2023):**

**13-17 June. 2022.** České Budějovice, Czech Republic. 19th Conference of the International Workgroup for Palaeoethnobotany. Georgia: the cradle of hulled and naked hexaploid wheat (Poster presentation)

**10-16 November, 2019. Berlin, Germany-** Workshop. Developing Tools for Conserving the Plant Diversity of the South Caucasus. Botanic Garden and Botanical Museum Berlin, Germany. Ppt presentation: Zezva Asanidze, Manana Khutsishvili & Marine Mosulishvili (2019). Digitization of herbarium collections in the South Caucasus based on the herbaria (TBI & TGM) in Tbilisi.

**3-8. June. 2019. Lecce, Italy -** 18th Conference of the International Workgroup for Palaeoethnobotany. Georgia (the South Caucasus) as the origin place of *Triticum spelta*. **Mosulishvili M.**, Bedoshvili D., Rusishvili N. & I.Maisaia.

**07-11 May. 2019. San Leucio-Caserta, Italy -** The international conference “TRACE 2019 Tree Rings in Archaeology, Climatology and Ecology”. Climate sensitivity and growth dynamics in a multispecies tree-ring network in the Caucasus. D. Martin-Benito, N. Pederson, N. Köse, M. Dogan, H. Bugmann, **M. Mosulishvili** & C. Bigler.

**13-15 June. 2018. Bologna, Italy.** The 1st International Conference of Wheat Landraces for Healthy Food Systems. The ancient, traditional Georgian wheat species: a focus on health and nutrition. **Mosulishvili M.**, Bedoshvili D., Maisaia I., Samadashvili Ts. & N. Chkhutiashvili.

**12-16 June. 2017. Wernigerode, Germany.** 8th International Triticeae Symposium. Endemic species of *Triticum* in Georgia and their role in wheat domestication. **Mosulishvili M.**, Bedoshvili D., Maisaia I. & K. Kereselidze.

**1 – 6 June, 2009. Kyoto, Japan.** The 6th International Triticeae Symposium (6th ITS). *Triticum* species in Georgia: diversity, conservation, and taxa of special interest. **Mosulishvili M.**, Maisaia I, Shanshiashvili T, Akhalkatsi M.

**Languages: Georgian (native); English (good); Russian (good).**

**Publications - Last 15 years (2009 - 2023):**

Dragana Filipović, Glynis Jones, Wiebke Kirleis, Amy Bogaard, Rachel Ballantyne, Michael Charles, **Marine Mosulishvili**, Aldona Mueller-Bieniek, Matthew Padgett, ... Soutlana Maria Valamoti (2023). *Triticum timopheevii* s.l. ('new glume wheat') finds in regions of southern and eastern Europe across space and time. *Vegetation History and Archaeobotany*. 32, 6: 1-14.

McAlvay A., A. DiPaola, C. D'Andrea, M. L. Ruelle, **M. Mosulishvili**, P. Halstead, A.G. Power. (2022). Cereal species mixtures: an ancient practice with potential for climate resilience. A review. *Agronomy for Sustainable Development*. 42 (5), 1-17.

**Mosulishvili Marine (2021). Chapter 2. Endemic Wheat and Ancient Grains in Georgia.** in: R. Cooper (ed.) *Ancient Grains in Modern Soils*. DEStech Publications, PA, USA: 39-61.

Kazancı Ceren, Soner Oruç, **Marine Mosulishvili**, Lukasz Luczaj (2021). Wild plants used as vegetables by transhumant people around the Georgia–Turkey border in the Western Lesser Caucasus. *Acta Societatis Botanicorum Poloniae*. 90 (906): 1- 23.

Kazancı Ceren, Soner Oruç, **Marine Mosulishvili (2021)**. Ethnoveterinary and fodder plants used among transhumant communities around Georgia-Turkey border, in the Western Lesser Caucasus. *Ethnobotany Research and Applications*. 21, 28: 1-26.

Bedoshvili David, **Marine Mosulishvili**, G. Chkhutiashvili, I. Maisaia, N. Ustiashvili, M. Merabishvili (2021). Diversity and local use of wheat in Georgia. *Annals of Agrarian Science* 19, 2: 103-110.

**Mosulishvili M.**, D. Bedoshvili, I. Maisaia, N. Rusishvili, G. Chkhutiashvili, M. Merabishvili. (2021). Diversity of wheat in modern Georgia versus discoveries of the

- archaeological excavations of the 6.000 BC Neolithic sites of Lower Kartli Region (SE Georgia). *Annals of Agrarian Science*. 19,1: 46-52.
- Kazancı Ceren, Soner Oruç, **Marine Mosulishvili**. (2020). Medicinal ethnobotany of wild plants: A cross-cultural comparison around Georgia -Turkey border, The Western Lesser Caucasus" *Journal of Ethnobiology and Ethnomedicine*. 16, 71: 1 – 20.
- Mosulishvili M.**, Bedoshvili D., Maisaia I., Chkhutiashvili G. & N. Ustiashvili (2020). *Aegilops tauschii*, the D-genome donor of *Triticum* and the geographic origin of hexaploid wheat. *Annals of Agrarian Science* 18, 4: 437-447.
- Bedoshvili D., **Mosulishvili M.**, Chkhutiashvili G., Chokheli M., Ustiashvili N. & I. Maisaia (2020). Heritage wheats of Georgia, the South Caucasus. *Annals of Agrarian Science* 18, 2: 123 - 129.
- Mosulishvili, M.**, D. Bedoshvili, I. Maisaia, G. Chkhutiashvili (2019). Georgia, the South Caucasus as the homeland of the hexaploid wheat. *Annals of Agrarian Science*. 17, 3: 287- 297.
- Mosulishvili Marine**, Bedoshvili David, Maisaia Inesa, Rusishvili Nana & Chkhutiashvili Gulnara (2019). The Ancient, Traditional Georgian Wheat Species and Their Role in Wheat Evolution, in: Proceedings of the International Conference “Wheat in European countries and Georgia as one of the center of origin of Domesticated Wheat”. 232–239.
- Silakadze N., Kilian N., Korotkova N., **Mosulishvili M.** & T. Borsch. (2019). Multiple evolution of high mountain bellflowers with solitary flowers and calyx scales only renders a core of *Campanula* subg. *Scapiflorae* as a Caucasian clade. *Systematics and Biodiversity*. 16, 4: 2- 67.
- Martín-Benito D., Pederson N., Köse N., Doğan M., Bugmann H., **Mosulishvili M.** & Ch. Bigler. (2018). Pervasive effects of drought on tree growth across a wide climatic gradient in the temperate forests of the Caucasus. *Global Ecology and Biogeography* 27: 1314 - 1325.
- Mosulishvili M.**, Maisaia I., K. Batsatsashvili. (2017). Proposal to conserve the name *Triticum palaeocolchicum* against *T. karamyshevii* (Poaceae). *Taxon*. 66, 2: 519 - 521.
- Mosulishvili M.**, Bedoschvili D., I. Maisaia. (2017). A consolidated list of *Triticum* species and varieties of Georgia to promote repatriation of local diversity from foreign genebanks. *Annals of Agrarian Science*. 15, 1: 61-70.
- Bakuradze T., Kandaurov A., **Mosulishvili M.**, Nikolaishvili D., Gvilava M. & S. Kenkebashvili. (2016). Spatial Analysis Used in Baseline Study for the Preparation of Management Plan of Kazbegi Protected Areas. *Earth Sciences. Special Issue: New Challenge for Geography: Landscape Dimensions of Sustainable Development*. 6, 5, 1: 93-110.
- Mosulishvili M. & G. Arabuli**. (2014). The Type specimens of *Alopecurus tuscheticus* (Poaceae) and *Dactylorhiza amblioloba* (Orchidaceae) rediscovered in the Herbarium

(TGM) of the Georgian National Museum. Proceedings of the Georgian National Museum, Natural Sciences and Prehistory section. 6: 92-97.

**Mosulishvili M. (2013).** New Discovered Type specimens in the TGM Herbarium of the Georgian National Museum. Proceedings - Natural Sciences and Prehistory section. 5: 105-109.

Akhalkatsi M., Ekhvaia J., **Mosulishvili M.**, Nakhutsrishvili G., Abdaladze O. & K. Batsatsashvili. (2010). Reasons and Processes Leading to the Erosion of Crop Genetic Diversity in Mountainous Regions of Georgia. Mountain Research and Development. 30, 3: 304 - 310.

### **Books:**

Akhalkatsi M., Kimeridze M., **Mosulishvili M.** & I Maisaia. 2008: Conservation and Sustainable Utilization of the Endangered Medicinal Plants in Samtskhe-Javakheti. Elkana, Tbilisi. 190 pp

Akhalkatsi M., Kimeridze M., Kunkele S., Lorenz R. & **M. Mosulishvili.** 2003. Diversity and Conservation of Georgian Orchids. Tbilisi. 40 pp.

Maisaia I. & **M. Mosulishvili.** 2003. Identification Key to the Panicoid Crops of Georgia. Tbilisi. Metsniereba. 68 pp.

Chelidze D. & **M. Mosulishvili.** 2002. Plants of Borjomi – Kharagauli National Park. Field Guide. WWF. Tbilisi. 431 pp.