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GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN



Ph.D. in:

Biodiversity in Agriculture and Forestry

Mediterranean Agricultural, Food and Forest Systems

Plant invasiveness among congeners. Examples from the sunflower tribe (*Heliantheae*, *Asteraceae*)

Dr Salvatore Tomasello

Georg-August University, Göttingen (Germany)

The seminar will be moderated by prof. Gianniantonio Domina

4th April 2023, 15:00

Aula Magna, Department SAAF

• **Dr Salvatore Tomasello**

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2007 Bachelor Degree in Natural Sciences obtained at the University of Palermo (Italy)

2009 Master Degree in Ecology and Biogeography obtained at the University of Palermo (Italy)

2015 PhD in Plant Sciences obtained at the University of Regensburg (Germany).

2012-2015: Research fellow at the University of Regensburg (Germany).

2015-2016: Postdoctoral research fellow at the Ludwig-Maximilians-University (LMU) in Munich (Germany).

Since 2017: Postdoctoral research fellow at the Georg-August University in Göttingen (Germany).

Main activities comprise research and teaching in the field of Plant Systematics and Evolution. Research interest is mainly focused on plant evolution, especially on how polyploidy and hybridization trigger diversification processes in plants. Different sources of data (e.g., genomic, phenotypic, ecological) are used to solve (reticulate-)evolutionary histories and species delimitation issues in plants, with a special focus on members of the *Anthemideae* and *Heliantheae* tribes of the sunflower family (*Asteraceae*). Recently, efforts were also devoted on the use of natural history collections to solve taxonomic issue as well as reconstructing past distributional changes and invasion routes of invasive taxa.

Current project: Resolving intricate taxonomies by using type material, HybSeq and geometric morphometrics. – A proof-of-concept from the nasty *Xanthium* L. (*Asteraceae*) (DFG-Projekt, SPP 1991-2 Taxon-OMICS, 2020-2023; <https://www.uni-goettingen.de/de/631826.html>)