

Curriculum Vitae

Name and First name: Soulainman SAKR
Nationality: French
Professional adresse : L'Institut Agro Rennes Angers
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Job: Professor
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Education

2005: Accreditation to Supervise Research, Physiological and Molecular Characterization of Sugar Transporters and Aquaporins in Woody Plants, University Blaise Pascal, France.

1996: PhD in Plant Physiology and Biochemistry, Effects of Wounding and Cutting on Sugar Transporters in Beta vulgaris, University of Poitiers, France.

Activities

- Professor of Molecular Plant Physiology, Institut Agro (Rennes–Angers), France (since 2007)
- Associate Professor of Plant Physiology, Blaise Pascal University, Clermont Ferrand, France (1999–2006)
- Postdoctoral Researcher, University of Poitiers (France) & University of Tübingen (Germany) (1998)
- Teaching Assistant, University of Limoges, France (1997)

Research

Main research interests: Crosstalk between sugar and hormone signaling in plant development; biostimulants; agricultural engineering

Doctoral supervision: Supervised 16 PhD students, including 3 funded by the China Scholarship Council (CSC) and 3 funded by ANRT (CIFRE fellowships)

Postdoctoral supervision: Supervised 6 postdoctoral researchers

Main responsibilities

- Co-Manager, Horticulture and Landscape Cluster, Agro Institut (2022–present)
- Scientific leader, ARCH-E Team, UMR IRHS (Joint Research Unit, Institute of Horticulture and Seeds) (2010–2019)
- Head, Training and Research Department (SVAH): Applied Plant Sciences for Agriculture and Horticulture (2012–2015)
- Executive Board Member, Agrocampus-ouest (2012–2015) and UMR IRHS (2012–2017)

Scientific leader of multiple national research projects (total funding: €1.86M since 2012):

- “Identification of physiological and molecular mechanisms driving flower bud loss during the vernalization period of Hydrangea” – Collaborative project with three national companies (2012–2017).
- “Applying cascades light technology to agricultural films to improve plant agronomic performance (ORCA)” National research project (2015–2018).
- “Efficiency of light cascades for agriculture” – Collaborative project with two companies (2018–2023).
- “Optimization of medical cannabis cultivation under controlled conditions” – (2023–2025).
- Investigating the effects of the biostimulant on plant growth and resilience to abiotic stress (2020–present)
- Agronomic strategies to enhance dandelion rubber accumulation in roots (2018–2019)

Publications and other outputs:

80 publications and h index = 47

(<https://scholar.google.fr/citations?user=IRGh3c0AAAAJ&hl=fr>)

Patent: Method for producing dandelion rubber using thermal cycles

Trade secret: Molecular marker associated with plant resistance to Botrytis