

Nora Hidasí

JOB APPLIED FOR BANDO n. 09/2024/CE, Prot. n. 0001615

WORK EXPERIENCE

Mar. 2023 – present

Research collaborator

SAPIENZA UNIVERSITY OF ROME, Rome, Italy

Finalizing publications; Peer review (Elsevier)

Apr. 2020 – Jan. 2022

Visiting graduate student

UNIVERSITY OF CALIFORNIA SAN DIEGO, San Diego, CA, USA

Performed research in collaboration with Sapienza University in the field of algal cell and molecular biology in Prof. Stephen Mayfield's lab, focusing on the uptake and utilization of alternative carbon sources, such as sugars present in lignocellulosic biomass hydrolysate, by microalgae for high-value metabolite production

Jun. 2011 – Jul. 2018

Research scientist

EARTHRISE NUTRITIONALS LLC, Calipatria, CA, USA

- Developed and executed applied research projects in laboratory, pilot plant, and production scale related to *Arthrospira platensis* biomass cultivation with the aim of improving productivity, product quality, reduce cost etc., including indoor and outdoor experimentation in photobioreactors and open raceway ponds
- Was responsible for R&D target setting, supervising research staff and budget management
- Was responsible for large-scale culture monitoring, and advising on troubleshooting options when needed
- Represented the company at scientific conferences and meetings

Aug. 2008 – Jan. 2010

Research engineer

BIOTECNOLOGÍA DE MICROALGAS (GRUPO AURANTIA), Cádiz, Spain

- Was involved in a project focusing on carbon capture from cement factory flue gas using microalgal strains with potentially high industrial value
- Was responsible for the research activities carried out in pilot plant scale photobioreactors including strain selection and characterization, and process optimization
- Represented the company at GreenFuel Technologies Corporation's (the American partner) location in Boston, MA, USA; Collaborated on the research activities carried out at the local algae pilot plant

Oct. 2007 – Jun. 2008

Intern

EMPRESA METROPOLITANA DE ABASTECIMIENTO Y SANEAMIENTO DE AGUAS DE SEVILLA S A (EMASESA), Sevilla, Spain

- EU Leonardo da Vinci Fellowship
- Was engaged in work related to the composting process of the company
- Gained familiarity and experience with the plant's environmental management and quality management system as well as with the local laws and regulations related to the use and disposal of the biosolids
- Cooperated on managing the operational activities of the plant
- Participated in sampling campaigns in order to evaluate the microbial load and quality of Sevilla's drinking water reservoir; Analyzed and identified the phytoplankton and zooplankton species in the samples

Jul. – Aug. 2006

Intern

SOCIETE D'AMENAGEMENT URBAIN ET RURAL (SAUR), Vannes, France

Designed and executed an experiment to evaluate the effectiveness of the use of aquatic macrophytes in tertiary wastewater treatment (laboratory and field work)

EDUCATION AND TRAINING

Nov. 2019 – May 2023

PhD in Cell and Developmental Biology

SAPIENZA UNIVERSITY OF ROME, Rome, Italy

- Thesis: Selection and characterization of microalgae strains able to grow on alternative carbon substrates for industrial application, with an outlook on strain improvement;
- Main research areas: Screening and characterization of strains aiming to recycle agricultural and dairy industry waste materials, and to produce microalgal metabolites valuable for various industrial sectors, including the food, feed, pharmaceutical, and green industries; Characterization of microalgae cell wall polysaccharides using chromatographic methods
- Research placement at the University of California, San Diego
- Sapienza PhD Fellowship for Foreign Candidates
- Mentoring of undergraduate students

Sep. 2001 – Jun. 2007

Master of Science in Bioengineering

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS (BUTE)

- Thesis: Study of the effect of wet air oxidation on denitrifiable carbon source in wastewater with high organic matter content
- EU Erasmus Scholarship, University of Cádiz, Spain 2004 – 2005
- DEUG (Diplôme d'Etudes Universitaires Générales) – French two-year undergraduate degree in Bioengineering – 2003
- Enrolled in a two-year undergraduate degree program in the French section of BUTE 2001 – 2003

PERSONAL SKILLS

Mother tongue Hungarian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	C2
Italian	B1	B1	B1	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

ADDITIONAL INFORMATION

Publications
 Presentations
 Other degrees
 Certifications

- A. Badary, N. Hidas, S. Ferrari, S.P. Mayfield, 2024, Isolation and characterization of microalgae strains able to grow on complex biomass hydrolysate for industrial application, *Algal Research*, 78, 103381; <https://doi.org/10.1016/j.algal.2023.103381>
- N. Hidas, A. Belay, 2018, Diurnal variation of various culture and biochemical parameters of *Arthrospira platensis* in large-scale outdoor raceway ponds, *Algal Research*, 29, 121-129; <https://doi.org/10.1016/j.algal.2017.08.027>
- Diurnal variation of various culture and quality parameters of *Arthrospira platensis* in large - scale outdoor raceway ponds, The 6th International Conference on Algal Biomass, Biofuels and Bioproducts, 26 - 29 June, 2016, San Diego, USA
- Degree in Spanish – Hungarian Technical Translation and Interpretation obtained at Budapest University of Technology and Economics (2003 – 2007)
- Environmental economics – environmental management certificate obtained at Budapest University of Technology and Economics

ANNEXES

La sottoscritta dichiara di essere consapevole che il presente curriculum vitae sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Data 25/06/2024

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali.

Autorizzo la pubblicazione del mio curriculum vitae e il trattamento dei dati personali in esso contenuti in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.

Roma, 26/06/2024

F.to Nora Hidas