# Dr Fabian Abiusi

### Process technologist



I am an ambitious biotechnologist fascinated by microalgae and their potential for a bio-based economy. My aspiration is to coordinate impactfully R&D projects with leading international partner in microalgal research and industry.







Soft skills Interpersonal Empathy, honesty, friendliness, supervision, leadership, extroversion Intrapersonal Motivation, resilience, goal oriented, vision, creativity, cautiousness

#### **Most relevant Publications**

Abiusi F., Wijffels R.H., Janssen M. Doubling of Microalgae Productivity by Oxygen Balanced Mixotrophy. ACS Sustain. Chem. Eng. 2020, 8 (15), 6065-6074. https://doi.org/10.1021/acssuschemeng.0c00990

Abiusi F., Wijffels R.H., Janssen M. Oxygen Balanced Mixotrophy under Day-Night Cycles. ACS Sustain. Chem. Eng. 2020, 8 (31), 11682-11691. https://doi.org/10.1021/acssuschemeng.0c03216

**Abiusi F.**, Sampietro G. , Marturano G., Biondi N. Rodolfi L., D'Ottavio M., Tredici M. Growth, photosynthetic efficiency, and biochemical composition of *Tetraselmis suecica* F&M-M33 grown with LEDs of different colors. Biotechnol Bioeng. 2014 May;111(5):956-64. doi: 10.1002/bit.25014.

**Abiusi F**., Fernández P.M., Canziani S., Janssen M., Wijffels R.H., Barbosa M. Mixotrophic cultivation of Galdieria sulphuraria for C-phycocyanin and protein production. Alg. Res, 2022. doi.org/10.1016/j.algal.2021.102603

**Abiusi F.,** Trompetter E., Hoenink H., Wijffels R.H.; Janssen M. Autotrophic and mixotrophic biomass production of the acidophilic Galdieria sulphuraria ACUF 64. Alg. Res 2021. https://doi.org/10.1016/j.algal.2021.102513

**Abiusi F.**, Trompetter E., Pollio A., Wijffels R.H.; Janssen M. Acid Tolerant and Acidophilic Microalgae: An Underexplored World of Biotechnological Opportunities. Front. Microbiol., 2022. doi.org/10.3389/fmicb.2022.820907

Teaching	Additional information
Wageningen University & Research Applied biocatalysts 2016, 2017 Microalgal biotechnology 2018, 2019	<ul> <li>2 week case study on the application of biocatalysts in apple juice production</li> <li>2 week practical course operating small-scale controlled photobioreactors</li> </ul>
Education	Additional information
MSc in Biotechnology (110/110 <i>cum laude</i> ) 1 Dec 2008- 20 Apr 2011 Curriculum: Agricultural biotechnology University of Florence, Florence (IT)	<ul> <li>6 months MSc thesis on the effect of oxygen accumulation in <i>Nannochloropsis sp.</i> BPE, Wageningen University &amp; Re- search, Wageningen (NL). Dr. M. Vermue</li> <li>3 months internship on comparison of different types of outdoor photobioreactors for bio-oil production from mi- croalgae. F&amp;M s.r.l. Florence (IT). Dr. L. Rodolfi</li> </ul>
<b>BSc in Biotechnology</b> ( <i>106/110</i> ) 20 Sep 2004- 20 Jun 2008 Curriculum: Medical biotechnology University of Florence, Florence (IT)	9 months internship and BSc thesis on pharmacogenomics determinants predictive of chemotherapy effectiveness. Department of Health Sciences, University of Florence, Florence (IT). Prof. Dr. E. Mini
Hobbies & interests	Languages
Oil painting Plaving music (Oboe, guitar, piano)	Italian 🛛 🔵 🔵 🔵 🔵

Scouting Hiking Organizing events Dogs Volleyball Traditional cooking Swimming Cultural diversities

## References (contacts available upon request)

Stefano Canziani, Algreen B.V.

English

French

Spanish

Prof. René H. Wijffels, Wageningen University & Research

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Prof. Antonino Pollio, University of Naples

Prof. Mario Tredici, University of Florence

Prof. Enrico Mini, University of Florence

#### Extra academic occupations

1998-2007: Scout Executive, Group leader at the local level and at national events, organization of technical courses and recreational activities, Florence, Rome, Rossano-Corigliano (IT)

1999-2003: Student of Oboe in the music academia "Stanislao Giacomantonio", Cosenza (IT)