

Curriculum Vitae



Personal information

- **Personal**
 - Pr. Grama Borhane Samir
 - Professor in biotechnology, Natural & Life Sciences Department, University of Oum El Bouaghi, Algeria.
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- **Researcher identity**

google scholar :

<https://scholar.google.com/citations?user=qn5DXDsAAAAJ&hl=fr&oi=ao>

Education

- **Ph.D.'s degree** in Algal Biotechnology
- **Master's degree** in Biotechnology
- **Bachelor's** in Microbiology

Functions and Affiliations

- **Professor in biotechnology**, Laboratory of Natural Substances, Biomolecules and Biotechnological Applications. University of Oum El Bouaghi, Oum El Bouaghi 04000, Algeria

Teaching modules

- Molecular biology
- Genetic engineering
- Cell and molecular signalisation

International publications

8. Harzallah, B., Grama, S. B., Bousseboua, H., Jouanneau, Y., Yang, J., & Li, J. (2023). Isolation and characterization of Indigenous Bacilli strains from an oil refinery wastewater with potential applications for phenol/cresol bioremediation. *Journal of Environmental Management*, 332, 117322.

7. Bouzidi, N. E., Grama, S. B., Khelef, A. E., Yang, D., & Li, J. (2022). Inhibition of antioxidant enzyme activities enhances carotenogenesis in microalga *Dactylococcus dissociatus* MT1. *Frontiers in Bioengineering and Biotechnology*, 10.
6. Grama, B.S., Liu, Z., & Li, J. "Emerging Trends in Genetic Engineering of Microalgae for Commercial Applications. *Marine Drugs*, 20(5), 285 (2022).
5. Grama, B.S., Agathos, S., Jeffryes, C. "Balancing photosynthesis and respiration increases microalgal biomass productivity during photoheterotrophy on glycerol." *ACS Sustainable Chemistry & Engineering*. 4(3), 1611-1618 (2016).
4. Jeffryes, C., Severi, V., Delhaye, A., Urbain, B., Grama, B. S., & Agathos, S. N. (2016). Energy conversion in an internally illuminated annular-plate airlift photobioreactor. *Engineering in Life Sciences*, 16(4), 348-354.
3. Grama, B.S., Chader, S., Khelifi, D., Stenuit, B., Jeffryes, C., Agathos, S. "Characterization of fatty acid and carotenoid production in an *Acutodesmus* microalga isolated from the Algerian Sahara." *Biomass and Bioenergy*. 69, 265-275 (2014).
2. Grama, B.S., Delhaye, A., Chader, S., Khelifi, D., Agathos, S.N., Jeffryes. "Canthaxanthin, astaxanthin and adonixanthin production from a *Dactylococcus* microalga in a new flat plate airlift photobioreactor." *Communications in Agricultural and Applied Biological Sciences*. 79(1), 65-70 (2014).
1. Grama, B.S., Chader, S., Khelifi, D., Agathos, S., Jeffryes, C. "Induction of Canthaxanthin Production in a *Dactylococcus* microalga isolated from the Algerian Sahara." *Bioresource Technology*. 151, 297- 305 (2014).

PEER REVIEWED BOOKS

Grama, B.S., Delhaye, A., Agathos, S.N., Jeffryes, C. "β-carotene and other carotenoids and pigments from microalgae." In : Vandamme, E. (ed.), *Biotechnology of vitamins, pigments and growth factors*. Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim. (March 2016).

Interests

- **Interests:** Algal biotechnology, bioactive molecules, bioenergy, bioprocess, renewable energy, photobioreactors.