Majda Amina Aziza Biography

Majda Amina Aziza (Female) is Director of Research, and head of Bioenergy and Environment Research Division, at the Research Centre on Renewable Energy, in Algiers. She received her doctorate in chemistry, in 2006, from University of Rennes1, France, and her engineer and master degrees in agronomical sciences,in 1996 and 2000, respectively, from Algerian Institute of Agronomy, Algiers. She has been working as a researcher, on renewable energies, particularly, on bioenergy, at CDER, since 2001. She also served as director of valorization, innovation and technology transfer, at the Directorate General for Scientific Research and Technological Development, in 2012. She participated to post graduated teaching, and students supervision, in specialized post graduated “Energy saving”, and in “Renewable energies Doctorate school”.

Most of Dr. Aziza’s papers and reports deals with issues related to microorganisms cultures improvement on bioreactors, biofuels production and food technology. She is actually involved in research activities dealing with bioenergy development opportunities, as a renewable energy, in Algeria, through local raw materials and resources valorization.

**International Publications**

1. Akbi A., Saber M., **Aziza M.,** Yassaa N. An overview of sustainable bioenergy potential in Algeria. Renewable and Sustainable Energy Reviews 2017 Vol. 72 pp.240-245.
2. Madina Kechkar ,Walaa Sayed , Audrey Cabrol , **Majda Aziza** , Toudert Ahmed Zaid , Abdeltif Amrane and Hayet Djelal . Isolation and identification of yeast strains from sugarcane molasses, dates and figs for ethanol production under conditions simulating algal hydrolysate. Brazilian Journal of Chemical Engineering, Vol. 36, No. 01, pp. 157 - 169, January - March, 2019.
3. Alloune, R., Abdat, M. Y., Saad, A., Danane, F., Bessah, R. , Abada, S., Azıza. M. A.. Response surface methodology based optimization of transesterification of waste cooking oil. Springer Proceedings in Energy (2020), “Advances in Renewable Hydrogen and Other Sustainable Energy Carriers” p 177-184 (2020).  <https://doi.org/10.1007/978-981-15-6595-3>.
4. A. Ounnar, D. Zitouni, L. Djouaher, F. Kaidi and M. A. Aziza, "Growth of Green Microalgae Strain in Torus Photobioreactor," 2019 7th International Renewable and Sustainable Energy Conference (IRSEC), Agadir, Morocco, 2019, pp. 1-3, doi: 10.1109/IRSEC48032.2019.9078269.
5. Allouache A., Aziza M.A., Ahmed Zaid T. (2020) Cellulose Degradation Methods for Biofuel Production. In: Belasri A., Beldjilali S. (eds) ICREEC 2019. Springer Proceedings in Energy. Springer, Singapore. <http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-981-15-5444-5_23>.
6. Saber M., Khitous M., Kadir L., Abada S., Tirichine N., Saidi A., Moussi K., Akbi A., Aziza M. Enhancement of organic household waste anaerobic digestion performances in a thermophilic pilot digester (2021). Biomass and Bioenergy. DOI: 10.1016/J.BIOMBIOE.2020.105933.
7. Amina Allouache, Majda Aziza, Toudert Ahmed Zaid, Abdeltif Amrane and Mercedes Ballesteros. Cellulosic Bioethanol Production From Ulva Lactuca Macroalgae. *Cellulose Chemistry and Technology*, Editura Academiei Romane, 2021, 55 (5-6), pp.629-635. [⟨10.35812/CelluloseChemTechnol.2021.55.51⟩](https://dx.doi.org/10.35812/CelluloseChemTechnol.2021.55.51). [⟨hal-03331094⟩](https://hal.archives-ouvertes.fr/hal-03331094).
8. Mastropetros SG, Koutra E, Amouri M, Aziza M, et al (2022) Comparative Assessment of Nitrogen Concentration Effect on Microalgal Growth and Biochemical Characteristics of Two Chlorella Strains Cultivated in Digestate. Marine Drugs 20:415. <https://doi.org/10.3390/md20070415>.
9. Abada, S., Tebbouche, L., Bessah, R., Kechkar, M., Berrached, A., Saber .,M;  Majda Aziza;  Abdeltif Amrane et al. Experimental study and kinetic modelling of bioethanol production from industrial potato waste. Biomass Conv. Bioref. (2022). <https://doi.org/10.1007/s13399-022-02927-x>.

**International Publications**

1. Akbi A., Saber M., **Aziza M.,** Yassaa N. An overview of sustainable bioenergy potential in Algeria. Renewable and Sustainable Energy Reviews 2017 Vol. 72 pp.240-245.
2. Madina Kechkar ,Walaa Sayed , Audrey Cabrol , **Majda Aziza** , Toudert Ahmed Zaid , Abdeltif Amrane and Hayet Djelal . Isolation and identification of yeast strains from sugarcane molasses, dates and figs for ethanol production under conditions simulating algal hydrolysate. Brazilian Journal of Chemical Engineering, Vol. 36, No. 01, pp. 157 - 169, January - March, 2019.
3. Alloune, R., Abdat, M. Y., Saad, A., Danane, F., Bessah, R. , Abada, S., Azıza. M. A.. Response surface methodology based optimization of transesterification of waste cooking oil. Springer Proceedings in Energy (2020), “Advances in Renewable Hydrogen and Other Sustainable Energy Carriers” p 177-184 (2020).  <https://doi.org/10.1007/978-981-15-6595-3>.
4. A. Ounnar, D. Zitouni, L. Djouaher, F. Kaidi and M. A. Aziza, "Growth of Green Microalgae Strain in Torus Photobioreactor," 2019 7th International Renewable and Sustainable Energy Conference (IRSEC), Agadir, Morocco, 2019, pp. 1-3, doi: 10.1109/IRSEC48032.2019.9078269.
5. Allouache A., Aziza M.A., Ahmed Zaid T. (2020) Cellulose Degradation Methods for Biofuel Production. In: Belasri A., Beldjilali S. (eds) ICREEC 2019. Springer Proceedings in Energy. Springer, Singapore. <http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-981-15-5444-5_23>.
6. Saber M., Khitous M., Kadir L., Abada S., Tirichine N., Saidi A., Moussi K., Akbi A., Aziza M. Enhancement of organic household waste anaerobic digestion performances in a thermophilic pilot digester (2021). Biomass and Bioenergy. DOI: 10.1016/J.BIOMBIOE.2020.105933.
7. Amina Allouache, Majda Aziza, Toudert Ahmed Zaid, Abdeltif Amrane and Mercedes Ballesteros. Cellulosic Bioethanol Production From Ulva Lactuca Macroalgae. *Cellulose Chemistry and Technology*, Editura Academiei Romane, 2021, 55 (5-6), pp.629-635. [⟨10.35812/CelluloseChemTechnol.2021.55.51⟩](https://dx.doi.org/10.35812/CelluloseChemTechnol.2021.55.51). [⟨hal-03331094⟩](https://hal.archives-ouvertes.fr/hal-03331094).
8. Mastropetros SG, Koutra E, Amouri M, Aziza M, et al (2022) Comparative Assessment of Nitrogen Concentration Effect on Microalgal Growth and Biochemical Characteristics of Two Chlorella Strains Cultivated in Digestate. Marine Drugs 20:415. <https://doi.org/10.3390/md20070415>.