

CV for Merlin Alvarado-Morales



Positions and degrees

2010- Postdoc, DTU Environment
2007-2010 Ph.D. in Chemical Engineering, DTU Environment
2003-2006 M.Sc. in Chemical Engineering, Metropolitan Autonomous University, Mexico

Professional profile

Bio(chemical) process synthesis and design, bioenergy and biofuel production, biobased chemicals production, LCA.

Publications, selected

1. Gunnarsson IB, Alvarado-Morales M, Angelidaki I. 2014. Utilization of CO₂ fixating bacterium *Actinobacillus succinogenes* 130Z for simultaneous biogas upgrading and biosuccinic acid production. *Environmental Science and Technology* 48(20): 12464-12468. (SCI, IF 5.481)*
2. Alvarado-Morales M, Boldrin A, Karakashev DB, Holdt SL, Angelidaki I, Astrup T. 2013. Life cycle assessment of biofuel production from brown seaweed in Nordic conditions. *Bioresource Technology* 129: 92-99. (SCI, IF 5.039)*

Distinctions and awards

2010: Scholarship granted by the National Council for Science and Technology (Mexico) to carry out Postdoctoral studies
2007 Scholarship granted by the Danish Technical Research Council to carry out Ph.D. studies
2003 Scholarship granted by National Council for Science and Technology (Mexico) to carry out M.Sc. studies

Projects, selected

2014 Project manager, "Simultaneous biogas upgrading and succinic acid production", GAP-funding within the frame of Copenhagen Cleantech Cluster
2013- Project manager, "Anaerobic Co-digestion of Cast Seaweed and Organic Residues", FORSKEL Programme of EnergiNet (project no. 12197)
2012 Participant, "The MacroAlgaeBiorefinery-sustainable production of 3G bioenergy carriers and high value aquatic fish feed from macroalgae (MAB3), Danish Council for Strategic Research (project no. 11-116872)
2010- Participant, ALGAE project: "High rate algal biomass production for food, biochemicals and biofuels" , Indian-Danish research collaborations, Danish Agency of Science, Technology and Innovation (project no. 09-067601)

Leadership experiences and boards/committees

Member of Residual Resource Engineering **Section Coordination Group**, DTU Environment
President of the "Network of Talented Mexicans Abroad-Nordic Countries" (<http://redtalentos.dk/>)

Teaching

Co-coordination of course 12136 Bioenergy Technologies
Co-supervisor for PhD-project on going:

- Martina D'Este (2014-): MAB3-prjject

Co-supervisor of number of master and bachelor students