

# Curriculum Vitae

## Personal Information

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## Work experience

**December 2017- till now** **Research Associate**  
Algae R & D Centre  
School of Veterinary and Life Sciences  
Murdoch University, Perth, Australia  
**July 2011 - till now** **Lecturer**  
Department of Microbiology  
Jessore University of Science and Technology  
Jessore, Bangladesh  
**May 2010 - July 2011** **Lecturer**  
Department of Pharmacy  
University of Development Alternative  
Dhaka, Bangladesh

## Education

**May 2014 - November 2017** **PhD in Biotechnology**  
Algae R & D Centre  
Murdoch University, Perth, Australia  
**July 2007 - October 2008** **Master of Science (M.S.) in Microbiology**  
Department of Microbiology  
University of Chittagong  
Chittagong, Bangladesh  
**June 2003 - June 2007** **Bachelor of Science (Honour's) in Microbiology**  
Department of Microbiology  
University of Chittagong  
Chittagong, Bangladesh

## Awards/ Achievements

2014	Murdoch International Postgraduate Research Scholarship Murdoch Top Up Scholarship Murdoch International Fee Waiver Scholarship
2007	Chittagong University Undergraduate Scholarship
2004	Bangladesh Scholarship Council Scholarship

## Publications

- Ishika, T.,** Laird, D.W., Bahri, P.A., and Moheimani, N.R. (2018) Co-cultivation and step-wise cultivation of *Chaetoceros muelleri* and *Amphora* sp. for fucoxanthin production under gradual salinity increase. *Journal of Applied Phycology* (Accepted)
- Ishika, T.,** Bahri, P.A., Laird, D.W. and Moheimani, N.R. (2018) The effect of gradual increase in salinity on the biomass productivity and biochemical composition of several marine, halotolerant, and halophilic microalgae. *Journal of Applied Phycology* 1-12.
- Ishika, T.,** Moheimani, N.R., Bahri, P.A., Laird, D.W., Blair, S. and Parlevliet, D. (2017) Halo-adapted microalgae for fucoxanthin production: Effect of incremental increase in salinity. *Algal Research* 28, 66-73
- Ishika, T.,** Moheimani, N.R. and Bahri, P.A. (2017) Sustainable saline microalgae co-cultivation for biofuel production: A critical review. *Renewable and Sustainable Energy Reviews* 78, 356-368.
- Tumpa, S.I., Hossain, M.I. and **Ishika, T.** (2015) Antimicrobial activities of *Psidium guajava*, *Caricapapaya* and *Mangifera indica* against some gram-positive and gram-negative bacteria. *Journal of Pharmacognosy and Phytochemistry* 3(6), 125-129.
- Al Mamun, A., Tumpa, S.I., Hossain, M.I. and **Ishika, T.** (2015) Plant resources used for traditional ethnoveterinary phytotherapy in Jessore District, Bangladesh. *Journal of Pharmacognosy and Phytochemistry* 3(6), 260-267.
- Tumpa, S.I., Hossain, M.I. and **Ishika, T.** (2014) Ethnomedicinal uses of herbs by indigenous medicine practitioners of Jhenaidah district, Bangladesh. *Journal of Pharmacognosy and Phytochemistry* 3(2).
- Ishika, T** and Anwar, MN. (2010) Isolation, purification and characterization of brinjal rhizosphere soil microorganisms. *Bangladesh Journal of Microbiology* 26: 35 - 39.

## Conference Presentations

- Ishika, T.,** Bahri, P.A., Laird, D.W. and Moheimani, N.R. (2018) Effect of gradual increase in salinity on the biomass productivity and biochemical composition of several marine, halotolerant and halophilic microalgae. 8<sup>th</sup> International Conference on Algal Biomass, Biofuels & Bioproducts, June 11-13, Seattle, WA, USA (Poster).
- Ishika, T.,** Moheimani, N.R. and Bahri, P.A. (2017) Saline microalgae for fucoxanthin production: Effect of incremental increase in salinity. 6<sup>th</sup> Congress of the International Society for Applied Phycology, June 18-23, Nantes, France (Oral).
- Ishika, T.,** Moheimani, N.R. and Bahri, P.A. (2016) Effect of gradual salinity increase on the

biomass productivity of saline microalgae with commercial interest. 9<sup>th</sup> Asia-Pacific Conference on Algal Biotechnology, November 15-18, Bangkok, Thailand (Oral).

**Ishika, T.,** Moheimani, N.R. and Bahri, P.A. (2016) Effect of gradual increase of salinity on the biomass productivity of saline microalgae with commercial interest. 26<sup>th</sup> Annual Combined Biological Science Meeting, August 25, University of Western Australia, Perth, Australia (Poster).