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Journal of Fundamentals of Renewable Energy and Applications

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Editor-in-Chief *Journal of Fundamentals of Renewable Energy and Applications*

Abdel Ghaly

Professor

Biological and Environmental Engineering

Dalhousie University

Canada





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Biography:

Dr. Abdel Ghaly is a professor of Biological and Environmental Engineering in the Process Engineering Department of the Faculty of Engineering at Dalhousie University. Dr. Ghaly obtained B.Sc (1969) and MSc (1973) in Agricultural and Biological Engineering from Alexandria University, Egypt and Ph.D (1982) in Environmental Engineering from McGill University, Canada. He worked as an assistant lecturer at Alexandria University, Egypt (1973-1974), Graduate Assistant/Special Lecturer at McGill University, Canada (1975-1979), Assistant Professor and Head of Departmental at University of Zambia, Zambia (1979-1982) and Professor, Director of International Programme and Director of Graduate Programs at Dalhousie University, Canada since 1982.



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He was a Visiting Professor at University of Guyana (Guyana), University of Trinidad (West Indies), University of Cairo (Egypt), University of Sierra Leone (Sierra Leone), University of Bogor (Indonesia), University of Oriento (Cuba), Utah State University (USA), University of Nigeria (Nigeria), University of Sana'a (Yemen), University of Agriculture (Slovak Republic), King Saud University (Saudi Arabia), King Monkut Institute of Technology (Thailand). Professor Ghaly established and directed several large international projects in developing countries (Zambia, Egypt, Nigeria, Guyana, Trinidad, Barbados, Antigua, Thailand and Sierra Leone), evaluated governmental policies and provided consulting services in several countries.



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He published over 240 referred journal papers in 42 international journals, 53 papers in refereed conference proceedings and 163 technical reports, and made 240 conference presentations. He supervised 47 MSc students, 26 PhD students and 73 undergraduate theses. He trained 14 Postdoctoral Fellows, hosted 24 Visiting Professors and employed 12 Scientists, 8 Technicians and 65 Co-op Students. Professor Ghaly is a member of 13 technical societies and 14 international organizations, served as editor and editor-in-chief for 14 international journals, organized 13 international conferences and chaired 39 conference sessions. He delivered 57 distinguished lectures and gave 43 scientific interviews to TV, radio and newspaper around the world. Professor Ghaly has received 22 international awards in recognition of his outstanding contribution to research and development worldwide. He is a Past President and a Fellow of the Canadian Society of Biological Engineering and Past Trustee and a Fellow of the American Society of Agricultural and Biological Engineers.



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Research Interest:

Professor Ghaly specializes in the area of and the area of energy (including characterization of biomass, size reduction, agglomeration, production of biogas, bioethanol and biodiesel, gasification, fluidized bed hydrodynamic, modeling, energy management and development of energy technology), biotechnology (including microbial kinetics, production of high value molecules such as nutraceuticals, pharmaceuticals, cosmetics and industrial chemicals from waste materials, process control and development of fermentation technology), the area of environmental engineering (including waste characterization, management and utilization, remediation of contaminated air, water and soil, environmental assessment and development of environmental technology), the area of industrial ecology (including eco-efficiency, zero emission, life cycle analysis, integrated industrial biosystems and sustainable development).



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Publications:

1. Hattab MA, Ghaly A (2015) Microalgae Oil Extraction Pretreatment Methods: Critical Review and Comparative Analysis. J Fundam Renewable Energy Appl 5: 172.
2. Ghaly A, Mahmoud N (2015) Solid State Deproteinization of Shrimp Shells by *Aspergillus niger* with Galactose as a Bioavailable Carbon Supplement. J Bioprocess Biotech 5: 225.
3. Al hattab M, Ghaly A, Hammoud A (2015) Microalgae Harvesting Methods for Industrial Production of Biodiesel: Critical Review and Comparative Analysis. J Fundam Renewable Energy Appl 5: 154.

Journal of Fundamentals of Renewable Energy and Applications Related Journals

- International Journal of Waste Resources
- Hydrology: Current Research
- Innovative Energy & Research
- Advances in Recycling & Waste Management
- Journal of Nuclear Energy Science & Power Generation Technology



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- Global Energy Summit & Expo



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