



Jan A. OLESZKIEWICZ

PhD; PEng; CEng(UK), BCEE(US), Dr h.c.(PUT), F.CSCE, F.CAE, F.IWA
Distinguished Professor, Environmental Engineering
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Conducts research and development work in biological nutrient removal from wastewater and biosolids treatment with emphasis on nutrient recovery and management of resulting concentrated side streams. Development of aerobic granular sludge processes. Advanced work on electrokinetic processes in sludge dewatering and disinfection. Mainstream membrane bioreactor fouling control. Diverse 30 years international engineering consulting on biological nutrient removal plant design, advanced anaerobic treatment and bioenergy projects including manure management. Published over 450 papers and several books in the field and is presently involved in biosolids and wastewater management master-plans for several cities in USA, Canada and EU.

SELECTED CURRENT SERVICE

- Vice-President Western Region: Canadian Association on Water Quality CAWQ- IWA
- Member Management Committee Specialist Groups: *Design, Operation and Costs of Large Wastewater Treatment Plants & Nutrient Removal and Recovery* - International Water Association (IWA)
- Scientific Advisor to BCR Environmental Jacksonville FL, Headworks International Inc., Houston TX
- Scientific Program Committee: IWA Specialist Conferences: *Sustainable Sludge Management*, Malmo, Sweden, 2016; *Small Water & Wastewater Systems*, Athens, Greece, Sept 16-19 2016; *Water Supply & Water Pollution Control*, Kudowa Zdroj, Poland, June 19-22 2016

SELECTED RECENT ENGINEERING WORK

- Science Advisor: Biosolids Master Plant for Alexandria VA Water Pollution Control Plant, CDM Smith 2015
- Lead Investigator: Options for improved nutrient removal and recovery from municipal wastewater in the Canadian context; For Canadian Water Network, Waterloo ON, 2013-2015
- Advisor: Value Engineering of preliminary BNR design for SEWPCC; for City of Winnipeg-Veolia, 2014
- Investigator: Development of anaerobic moving bed biofilm reactor. Headworks-Bio, 2014
- Advisor: Biosolids management at Deer Island Treatment Plant for CDM Smith, Boston MA 2013-2014
- Operator Training: Over 500 operators of BNR plants in N. America, EU and Australia 1995 -2015

RECENT AWARDS AND NOMINATIONS:

- 2015 – Medal of Merit, Gdansk University of Technology
- 2014 – Honorary doctorate, Dr h.c. - Poznan University of Technology
- 2012 – Elected Fellow of the Canadian Academy of Engineering, CAE, Ottawa
- 2011 –Rh Institute Foundation Medal and Award for Excellence in Research
- 2011 –Elected IWA Fellow: International Water Association (IWA); Hague NL
- 2009 – Distinguished Professor, The University of Manitoba
- 2003 – Gordon M. Fair Medal: Water Environment Federation (WEF) USA

EDUCATION

- Vanderbilt University, Nashville, USA: **PhD** (Environmental Engineering) 1974