

Curriculum Vitae
of
PROFESSOR YUK-SHAN WONG



Present Position

President

The Open University of Hong Kong
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Personal Particulars

Sex : Male
Date of Birth : 14 December 1949
Marital Status : Married (with 3 children)

Education

- ◇ PhD (Dean's Honour List), Plant Biochemistry, McGill University, Canada (1979)
- ◇ MSc, Plant Biochemistry, McGill University, Canada (1976)
- ◇ BA, Biology/Chemistry, Concordia University, Canada (1974)

Research Areas

Environmental Biotechnology, Plant Biochemistry and Physiology

Positions Held

- 2006-14 Vice-President for Administration and Business, Hong Kong University of Science and Technology, Hong Kong.
- 2006-14 Professor of Life Science, Hong Kong University of Science and Technology, Hong Kong.
- 2002-06 Vice-President (Administration), City University of Hong Kong, Hong Kong.
- 1998-06 Professor (Chair) of Biological Sciences, Department of Biology and Chemistry, City University of Hong Kong.
- 1998-02 Vice-President (Institutional Advancement), City University of Hong Kong, Hong Kong.
- 1997-98 Associate Vice-President (Research & Development), The Hong Kong University of Science & Technology, Hong Kong.

- 1993-97 Associate Director, Research Centre, The Hong Kong University of Science & Technology, Hong Kong.
- 1996-98 Reader (Adjunct), Department of Biology, HKUST.
- 1990-93 Senior Lecturer, Department of Biology, HKUST.
- 1988-90 Principal Lecturer and Head of Applied Biology, Department of Applied Biology & Chemical Technology, Hong Kong Polytechnic.
- 1985-88 Lecturer, Department of Biology, The Chinese University of Hong Kong.
- 1980-85 Lecturer, Department of Applied Science, Hong Kong Polytechnic.
- 1979-80 Medical Research Council Post-doctoral Fellow, Banting & Best Institute for Medical Research, University of Toronto.

Major Public Appointments

- 2017-18 Chairman, Standing Committee on Judicial Salaries and Conditions of Service, SAR Government of Hong Kong
- 2015-16 Member, Standing Committee on Judicial Salaries and Conditions of Service, SAR Government of Hong Kong
- 2016-18 Member, High-level Steering Committee on Antimicrobial Resistance, SAR Government of Hong Kong
- 2013-18 Chairman, Consumer Council, SAR Government of Hong Kong.
- 2013-18 Director, Hong Kong Mortgage Corporation, SAR Government of Hong Kong
- 2013-18 Museum Expert Adviser, Leisure and Cultural Services Department, SAR Government of Hong Kong
- 2012-14 Chairman, Vetting Committee for the Allocation of Sites and Start-up Loan for Post-secondary Education Providers, Education Bureau, SAR Government of HKSAR.
- 2010-18 Specialist, Hong Kong Council for Accreditation of Academic & Vocational Qualifications
- 2010-13 Chairman, Veterinary Surgeons Board, SAR Government of Hong Kong.
- 2010- Chairman, Academic Committee, Hong Kong Scholars Program, Hong Kong.
- 2008- Member, Committee of the Basic Law of Hong Kong, Standing Committee of the National People's Congress, the PRC.
- 2008- HKSAR Deputy, National People's Congress, the PRC.
- 2009-15 Member, Basic Law Promotion Steering Committee, Constitutional and Mainland Affairs Bureau, SAR Government of Hong Kong.

- 2005-12 Member, University Grants Committee, SAR Government of Hong Kong.
- 2007-13 President, The Society of Hong Kong Scholars, Hong Kong.
- 2004- Advisor, Science and Technology Development, Shenzhen Government, the PRC.
- 2003- Board Member, China Overseas Association, the PRC.
- 2003- Council Member, Huaqiao University, Fujian, the PRC.
- 2006-12 Council Member, Asia International Open University (Macau).
- 2001-07 Chairman, Curriculum Development Council, Education Bureau, SAR Government of Hong Kong.
- 2001-07 Member, Education Commission, SAR Government of Hong Kong.
- 2007-08 Deputy Chairman, Advisory Council on the Environment, Environment Bureau, SAR Government of Hong Kong.
- 2000-06 Council Member, The Open University of Hong Kong, Hong Kong.
- 2003-07 Member, Hong Kong Council for Academic Accreditation, SAR Government of Hong Kong.
- 1998-04 Chairman, Wetland Advisory Committee, Agriculture, Fisheries and Conservation Department, SAR Government of Hong Kong.
- 2001-06 Member, Advisory Council on the Environment, Environment, Transport and Works Bureau, SAR Government of Hong Kong.
- 1997-06 Member, Election Committee of the First and Second Government of Hong Kong Special Administrative Region.
- 2007-09 Member, Pan-Pearl River Delta (Pan-PRD) Panel, Central Policy Unit, SAR Government of Hong Kong.
- 1997-99 Member, Sai Kung Provisional District Board, SAR Government of Hong Kong.
- 1995-01 Member, Country and Marine Parks Board, Country and Marine Parks Authority, SAR Government of Hong Kong.
- 1992-13 Executive Delegate, Chinese People's Political Consultative Conference, Fujian Province, the PRC.

External Academic Appointments

- 2014 Hon. Professor, Guangxi University of Science & Technology, Guangxi, the PRC
- 2013 Member, Standing Executive Committee, Chinese Association of Higher Education
- 2012-15 Honorary Advisor, Beijing Municipal Government
- 2012- Honorary Professor, Xian Jiaotong University, the PRC.

- 2012 Member of Academic Committee, Shenzhen Key Laboratory for Marine Bio-resource and Eco-environment
- 2012 Honorary Professor, Shenzhen University
- 2010 Overseas Advisor, Guangzhou Association of Science & Technology
- 1999- Honorary Professor, Fujian Normal University, Fuzhou, the PRC.
- 1996-02 Guest Professor, Nanjing University, the PRC.
- 1996-01 Adjunct Professor, Third Institute of Oceanography, State Oceanic Administration, Xiamen, Fujian, the PRC.
- 1995- Adjunct Professor, School of Life Science, Zhongshan University, Guangzhou, the PRC.
- 1995- Adjunct Professor, Environmental Science Research Institute, Xiamen University, the PRC.

Honors, Awards and Scholarships

- 2013 Second Prize, the Guangdong Provincial Science and Technology Award. Project: Mangrove Wetland Ecosystem, PR China.
- 2011 Maple Elite Award, Canadian University Association, HKSAR.
- 2006 Fellow, Society of Biology, the United Kingdom.
- 2009 Fellow, Hong Kong Institution of Science, Hong Kong.
- 2004 Bronze Bauhinia Star, Government of the HKSAR.
- 2001 Justice of the Peace, Government of the HKSAR.
- 2004 Listed in Who's Who in the HKSAR.
- 1995 Listed in Who's Who in America.
- 1988 Listed in Men of Achievement.
- 1979 Medical Research Council Post-doctoral Fellowship, Canada.
- 1979 Best Post-doctoral Scholarship, Banting and Best Institute for Medical Research, University of Toronto, Canada.
- 1979 Post-doctoral Fellowship, awarded by Canadian Muscular Dystrophy Association, Ontario, Canada.
- 1976-79 Graduate Faculty Research Scholarship.
- 1975 David Stewart Memorial Scholarship.

University Administrative Appointments

- 2012-14 Chairman, Gender Discrimination Committee, HKUST.
- 2012-14 Chairman, Task Force on Review of Animal and Plant Care Facility (APCF) & Biosciences Central Research Facility (BioCRF), HKUST.
- 2012-14 Chairman, Steering Committee on Non-Academic Staff Pay-Band Grading and Salary Structure Consultancy Study, HKUST.
- 2012-14 Chairman, Advisory Group on Non-academic Staff Compensation Structure Review, HKUST.
- 2012-14 Chairman, 334 Emergency Support Group, HKUST.
- 2012-14 Chairman, User Group for Conference Lodge, HKUST.
- 2011-13 Chairman, Information Systems Steering Committee, HKUST.
- 2010-14 Chairman, Committee for Services and Facilities for 334 and Beyond, HKUST.
- 2010 Chairman, Organizing Committee of HKUST 20th Anniversary, HKUST.
- 2009-10 Chairman, Steering Committee for Mainland Projects (SCMP), HKUST.
- 2009-14 Member, Board of Trustees, HKUST.
- 2008-11 Chairman, Steering Committee for HKUST Convocation, HKUST.
- 2008-10 Chairman, Board of Directors of the HKUST College of Lifelong Learning Limited (CL3), HKUST.
- 2008-14 Co-Chairman, Working Group on Additional Teaching & Research Facilities and Consequential Works, HKUST.
- 2007-14 Chairman, Working Group for Non-Academic Staff Grading and Salary Structure, HKUST.
- 2007-14 Chairman, Selection Committee for the HKUST President's Outstanding Service Award, HKUST.
- 2007-11 Chairman, Information Systems Project Steering Committee, HKUST.
- 2006-14 Chairman, Management Committee of the HKUST Shenzhen Institute, HKUST.
- 2006-14 Chairman, Emergency Management Task Force, HKUST.
- 2006-14 Convenor, Working Group for Functional Titles, HKUST.
- 2006-14 Chairman, Administration and Business Branch Meeting, HKUST.
- 2006-14 Chairman, Sub-tender Board, HKUST.
- 2006-14 Chairman, Campus Development and Accommodation Committee, HKUST.
- 2006-14 Chairman, Environmental Health and Safety Committee, HKUST.

- 2006-14 Chairman, Board of Directors of Biotechnology Research Corporation Limited, HKUST.
- 2006-11 Co-Chairman, Nansha Development Committee, HKUST.
- 2006-07 Chairman, Information Systems Review Task Force, HKUST.
- 2006 Chairman, Campus Development and Accommodation Committee Sub-group on Area C (Shaw Site) Projects, HKUST.
- 2006 Chairman, Steering Committee on 15th Anniversary Grand Finale, HKUST.
- 2012-14 Member, Joint HKUST-XJTU Planning Committee, HKUST.
- 2011-14 Member, Fok Ying Tung Graduate School Strategic Committee, HKUST.
- 2011-14 Member, Steering Committee for Mainland Projects (SCMP), HKUST.
- 2009-14 Member, Campus Development Committee, HKUST.
- 2006-12 Member, CL3 Review Task Force, HKUST.
- 2006-14 Member, IAS Governance and Steering Committee, HKUST.
- 2006-12 Member, Undergraduate Education Review Task Force, HKUST.
- 2006-14 Member, R and D Corporation Board Meeting, HKUST.
- 2006-14 Member, Human Resources Committee, University Council, HKUST.
- 2006-14 Member, Audit Committee, University Council, HKUST.
- 2006-14 Member, Finance Committee, University Council, HKUST.
- 2006-14 Member, Standing Committee, University Council, HKUST.
- 2006-14 Member, University Administrative Committee, HKUST.
- 2006-14 Member, University Senate, HKUST.
- 2006-14 Member, University Council, HKUST.
- 2006-14 Member, Main Tender Board, HKUST.
- 2006-07 Member, Nansha Campus Task Force, HKUST.
- 1993-98 Member, Search Committee for Pro-Vice Chancellor, Research & Development, HKUST.
- 1992-93 Member, University Administration Committee (University's Senior Management Board), HKUST.
- 1992-98 Member, Search Committee for Pro-Vice Chancellor, Academic Affairs, HKUST.
- 1991-93 University Senate Member, HKUST.
- 1991-93 Member, University Senate Research Committee, HKUST.

- 1992-96 Warden, Post-graduate Residence, Hall 2, HKUST.
- 2005-06 Chairman, Task Group on Space Use and Planning, City University of Hong Kong.
- 2005-06 Chairman, Ad-hoc Group on Prevention of Avian Flu, City University of Hong Kong.
- 2005-06 Chairman, Preparatory Committee on University Day cum CityU Banquet, City University of Hong Kong.
- 2005-06 Chairman, Risk Management Committee, City University of Hong Kong.
- 2005-06 Chairman, MMB Project Control Group, City University of Hong Kong.
- 2004-06 Chairman, Staff Consultative Committee for Academic & Equivalent Administrative Staff, City University of Hong Kong.
- 2004-06 Chairman, 20th Anniversary Working Group on Sports/Cultural/Social Service/Promotional Activities, City University of Hong Kong.
- 2004-06 Chairman, Task Group for Corporate Identity, City University of Hong Kong.
- 2004-06 Chairman, Evaluation Panel of the Reward Scheme for Non-academic Units, City University of Hong Kong.
- 2003-06 Chairman, Ad-hoc Group on Monitoring of Severe Acute Respiratory Syndrome (SARS), City University of Hong Kong.
- 2003-06 Chairman, Appeal Committee for Redundancy Cases, City University of Hong Kong.
- 2003-05 Chairman, Project Executive Group (Multi-media Building and Student Residence), City University of Hong Kong.
- 2003-06 Chairman, Multi-media Building Client Working Group, City University of Hong Kong.
- 2003-06 Chairman, Campus Facilities Committee, City University of Hong Kong.
- 2003-04 Chairman, Staff Consultative Committee (General Grades and Minor Grades Staff), City University of Hong Kong.
- 2003-06 Chairman, Accommodation Committee, City University of Hong Kong.
- 2003-06 Chairman, Committee on Student Fees, City University of Hong Kong.
- 1998-02 Chairman, Gallery Management Committee, City University of Hong Kong.
- 1998-06 Chairman, Committee on Translation of Commonly-used Terms, City University of Hong Kong.
- 1998-06 Chairman, Search Committee for Academic Heads, City University of Hong Kong.
- 1998-06 Chairman, Disciplinary Committee, City University of Hong Kong.
- 1998-02 Chairman, Outside Practice Advisory Group, City University of Hong Kong.
- 2000-01 Chairman, Planning Committee for Community College, City University of Hong Kong.

- 2000-03 Chairman, Cultural and Sports Committee, City University of Hong Kong.
- 2000-06 Chairman, Congregation Organizing Committee, City University of Hong Kong.
- 1998-99 Chairman, 15th Anniversary Steering Committee, City University of Hong Kong.
- 1998-99 Chairman, 14th Congregation Core Group Meeting, City University of Hong Kong.
- 1998-03 Chairman, Academic Exchange Committee, City University of Hong Kong.
- 2005-06 Member, Task Group on 4-Year Undergraduate Degree Structure, City University of Hong Kong.
- 2005-06 Member, Task Group on Student Performance and Conduct, City University of Hong Kong.
- 2005-06 Member, Steering Committee on Planning for Four-year Normative Degree Structure, City University of Hong Kong.
- 2005-06 Member, Multi-media Building Project Steering Group, City University of Hong Kong.
- 2005-06 Member, Joint Sports Centre Management Committee, City University of Hong Kong.
- 2004-06 Member, Community Relations Committee, City University of Hong Kong.
- 2004-06 Member, Strategic Development Committee, City University of Hong Kong.
- 2004-06 Member, Working Group on “Senior Management Leadership Development Programme”, Head of Universities Committee (HUCOM), Hong Kong.
- 2004-06 Member, Core Group on University Admission and Other Interface Issues, Head of Universities Committee (HUCOM), Hong Kong.
- 2004-06 Member, Steering Committee on Mainland China Policies, City University of Hong Kong.
- 2004-06 Member, 20th Anniversary Steering Committee, City University of Hong Kong.
- 2004-06 Member, Steering Committee on Self-financing Activities, City University of Hong Kong.
- 2003-06 Member, Gallery Management Committee, City University of Hong Kong.
- 2003-06 Member, Human Resources Committee, City University of Hong Kong.
- 2003-06 Member, Board of Trustees, City University of Hong Kong.
- 2003-06 Member, Outside Practice Advisory Group, City University of Hong Kong.
- 2002-05 Member, Campus Master Plan Working Group, City University of Hong Kong.
- 1998-06 Member, University Council, City University of Hong Kong.
- 1998-06 Member, Management Board, City University of Hong Kong.

- 1998-06 Member, University Senate, City University of Hong Kong.
- 1998-06 Member, Budget Committee, City University of Hong Kong.
- 2003-06 Member, Finance Committee, City University of Hong Kong.
- 1998-06 Member, Committee on Donations, City University of Hong Kong.
- 1998-06 Member, Honorary Awards Committee, City University of Hong Kong.
- 2003-06 Member, Campus Development Committee, City University of Hong Kong.
- 2003-05 Member, Estates and Development Committee, City University of Hong Kong.
- 1998-06 Member, Academic Policy Committee, City University of Hong Kong.
- 1998-03 Member, Areas of Excellence Advisory Group, City University of Hong Kong.

Competitive Research Grants Awarded and Research Projects (As PI or Co-PI)

- 2011- “Impact of Sea-level Rise on Protection and Management of Coastal Mangrove Wetland”
Awarded by Ocean Park Conservation Fund, Hong Kong
HK\$200,115
- 2010- “Demonstration of Circular Economy: Study on the Eco-remediation of Shenzhen Overseas Chinese Town”
Awarded by Shenzhen Overseas Chinese Town Holding Company
RMB\$1,200,000
- 2009- “Technological Development and Demonstration of Ecological Restoration of Coastal Wetlands in New Economic Region: Coastal Wetlands after Reclamation”
Awarded by State Ocean Administration of China and Xiamen University
RMB\$2,490,000 and CityU Matching Grant HK\$920,892
- 2007- “Emission of Nitrous Oxide, a Greenhouse Gas from Mangrove Wetlands in Subtropical Region”
Awarded by RGC, CERG Grant, CityU
HK\$689,996
- 2006- “Rhizosphere Effects of Wetland Plants in the Phytoremediation of Coastal Sediments Contaminated with Polycyclic Aromatic Hydrocarbons (PAHs)”
Awarded by RGC CERG Grant, CityU
HK\$725,058
- 2005- “Bioaugmentation on Bioremediation of Inter-tidal Sediments Contaminated by High Molecular Weight Polycyclic Aromatic Hydrocarbons (PAHs)”
Awarded by RGC CERG Grant, CityU
HK\$973,914
- 2004- “Area of Excellence (AoE MERIT) Sub-project on Pollution Control and Bioremediation”
Awarded by RGC CERG Grant and CityU Strategic Research Grant
HK\$990,800

- 2004- “Adaptation Ability and Mechanisms of a Mangrove Plant Species, *Kandelia candel* to waterlogging”
Awarded by Science and Technology Department, Government of Guangdong Province, PRC
RMB\$150,000
- 2002- “Impact of Spent Lubricating Oil Pollution on Mangrove Ecosystems: Plants and Sediment Microbes”
Awarded by RGC CERG Grant, CityU
HK\$816,000
- 2002- “Research on Biodegradation of Oil Contaminated Sediments by Microorganisms”
Awarded by Marine Environmental Science Key Laboratory Research Fund, Xiamen University, PRC
HK\$30,000
- 2001- “Research and Development of Mangrove Wetland Centre and Mangrove Replanting Technology”
Awarded by Applied R&D Centre in Shenzhen, CityU
- 2001- “Conservation of Hong Kong Natural Coastline through Mangrove Replanting”
Awarded by Environment and Conservation Fund, Hong Kong Government
- 2001- “Mangrove Wetland Treatment System for Livestock Wastewater”
Awarded by Strategic Research Grant, CityU
HK\$294,340
- 2001- “Mechanisms of Removing Heavy Metals from Industrial Effluent by Immobilized Microalgae”
Awarded by RGC CERG Grant, CityU
HK\$690,176
- 2001- Ecological Study on Mangrove Stands in Hong Kong”
Awarded by Agriculture, Fisheries and Conservation Department, Hong Kong Government
HK\$556,988
- 2001- “Biosorption and Biodegradation of Polycyclic Aromatic Hydrocarbons (PAHs) by Microalgae”
Awarded by RGC CERG Grant, CityU
HK\$807,400
- 2000- “Toxicity and Biodegradation of Polycyclic Aromatic Hydrocarbons (PAHs) in Mangrove Ecosystem”
Awarded by Strategic Research Grant and RGC CERG Grant, CityU
HK\$715,200
- 2000- “Conservation of Hong Kong Natural Coastline through Mangrove Replanting”
Awarded by Environment and Conservation Fund, HKSAR
HK\$1,303,079
- 1999- “Genetic Engineered Mangrove Plants for Bioremediation: Cloning of Metallothionein (MT) Gene in *Kandelia candel* Seedlings”
Awarded by Centre for Coastal Pollution and Conservation (RCP), CityU
HK\$181,920

- 1998-02 “Molecular Understanding of Heavy-metal Tolerant Mechanisms in *Festuca rubra*”
Awarded by Competitive Earmarked Research Grant (CERG)
HK\$880,000
- 1995-00 “An Innovative Biotechnological System for Removing Toxic Heavy Metals and Organic Wastes from Industrial Effluent”
Awarded by ITDC Grant of Government Industry Department
HK\$3,142,000
- 1994-01 “Retention and Mobilization of Wastewater Pollutants by Mangrove Swamp”
Awarded by Research Grants Council (RGC)
HK\$880,000
- 1994-00 “Mangrove Ecosystems in Retention, Mobilization and Detoxification of Pollutants from Wastewater”
Awarded by Biotechnology Research Institute
HK\$1,700,000
- 1994-00 “Conservation Study of Mangrove Stands in Hong Kong”
Research contract awarded by Agriculture and Fisheries Department, Hong Kong Government
HK\$620,000
- 1994-00 “Mangrove Wetland System for Effluent Treatment”
Awarded by The Croucher Foundation, Hong Kong
HK\$360,000
- 1992-96 “Application of Mangrove Ecosystem on Domestic and Industrial Wastewater Treatment”
Awarded by HKUST Infrastructure Research Grant
HK\$1,080,000
- 1991-94 “Biotechnology of Wastewater Treatment: the Application of Free and Immobilised Microalgae in Inorganic Nutrient Removal from Wastewater”
Awarded by The Croucher Foundation, Hong Kong
HK\$629,000
- 1990-93 “Heavy Metal Toxicity & Tolerance in Plants”
Awarded by UPGC (RGC)
HK\$470,000
- 1990-93 “Biochemical Studies of Heavy Metal Tolerance in Higher Plants”
Awarded by the Hong Kong University of Science & Technology Research Committee
HK\$280,000
- 1990-93 “The Application of Mangrove System on Domestic and Industrial Wastewater Treatment: An Environmental Study on Futian Mangrove Swamp”
Awarded by the Hong Kong University of Science & Technology Research Committee
HK\$579,000
- 1988-92 “Nutrient Dynamics of a Mangrove Ecosystem and its Potential as a Sewage Treatment Facility”
Awarded by UPGC Research Committee
HK\$500,000

- 1988-90 “Biochemical Studies on Heavy Metal Tolerance in Plants”
Awarded by Hong Kong Polytechnic Research Committee
HK\$127,400
- 1988-90 “Wastewater Phosphorus Removal with Free and Immobilized Microalgae”
Awarded by Hong Kong Polytechnic Research Committee
HK\$98,560
- 1988-90 “Decomposition and Nutrient Dynamics of a Mangrove Community in Hong Kong”
Awarded by Hong Kong Polytechnic Research Committee
HK\$360,000

Supervision of Post-doctoral Fellows and Post-graduate Students

- 2004-07 Dr. Xu Han (Tianjin University, Tianjin)
- 2001-04 Miss Ada H.Y. Wong (HKUST)
- 2000-02 Dr. Nengchang Chen (Kagoshima University, Japan)
- 1998-02 Dr. Wenqing Wang (Xianmen University, Fujian)
- 1999-03 Dr. Yanwen Zhang (Nankai University, Tianjin)
- 1998-99 Dr. Zhangli Hu (Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan)
- 1998-99 Dr. Samuel Lam (University of Western Sydney, Nepean, Australia)
- 1996-97 Dr. Tong Zhang (Tsinghua University, Beijing)
- 1995-00 Dr. Mi Ma (Institute of Botany, Chinese Academy of Sciences, Beijing)
- 1996-98 Miss Ivy H.Y. Chu (M.Phil., HKUST)
- 1995-97 Miss Jannifer P.K. Lee (M.Phil., HKUST)
- 1995-97 Dr. Jacqueline P.K. Wong (M.Phil., HKUST)
- 1995-97 Dr. Calvin C.K. Tsang (M.Phil., HKUST)
- 1994-96 Mr. Barry M.C. Kwong (M.Phil., HKUST)
- 1994-96 Dr. Karen L.Y. Woo (M.Phil., HKUST)
- 1994-96 Prof. X.L. Huang (Zhongshan University, Guangzhou)
- 1994-96 Mr. G.H. Qiu (Zhongshan University, Guangzhou)
- 1991-95 Dr. Arthur P.S. Lau (Ph.D., HKUST)
- 1990-93 Dr. Edward K.H. Lam (M.Phil., HKUST)
- 1988-90 Dr. Wendy K.M. Chan (M.Phil., PolyU)
- 1985-87 Dr. H.M. Lam (M.Phil., CUHK)

Scientific and Editorial Appointments

- 1992-96,
2006-13 Executive Board Member, Hong Kong Institution of Science, Hong Kong.
- 1995-98 Member, Editorial Advisory Board for the international journal *Mangroves and Salt Marshes*, SPB Academic Publishing BV, The Netherlands.
- 2000- Member, Editorial Board for *Tropical Oceanology*, Science Press, the PRC.
- 2008- Executive Council Member, Chinese Association of Higher Education, the PRC.
- 2005-08 Chairman, Committee of Scholars and Specialists, Fukien Chamber of Commerce, Hong Kong.
- 2003-08 Executive Council Member, Botanical Society of China, the PRC.
- 2000- Member of the Fourth Committee of China National Committee for Terms in Sciences and Technologies (CNCTST), the PRC.
- 1998- Advisor, Beijing-Hong Kong Academic Exchange Centre, Hong Kong.
- 2000- Member, Editorial Board for *Chinese Journal of Applied and Environmental Biology*, Science Press, the PRC.
- 1996- Academic Advisor, Institute of Soil Science, Chinese Academy of Sciences, Nanjing, the PRC.
- 1995- Advisor, China National Education Commission, Open Marine Research Laboratory, Xiamen University, Fujian, the People's Republic of China.
- 1992-94 Validation Panel Member, Hong Kong Council for Academic Accreditation, Hong Kong.
- 1989-90 Treasurer, The Institute of Biology, Hong Kong.
- 1989-90 Council Member, Hong Kong Biochemical Association, Hong Kong.
- 1988-90 Vice-President, The Society of Hong Kong Scholars, Hong Kong.
- 1986-88 Vice-President, The Institute of Biology, Hong Kong.
- 1986-88 Academic Assessor, The Beijing-Hong Kong Academic Exchange Center, Hong Kong.
- 1983- Life-member, Society of Chinese Bioscientists America, USA.
- 1979- Member, Society of Canadian Plant Physiologists, Canada.
- 1979- Member, Society of American Plant Physiologists, USA.

Other Community Services

- 2012 Specialist, HK Council for Accreditation of Academic & Vocational Qualifications, Hong Kong SAR.
- 2006- Chairman, Management Committee of the Hong Kong New Generation Cultural Association Science Innovation Centre, Hong Kong.
- 2004-08 Honorary Adviser (Science and Technology), Leisure and Cultural Services Department, SAR Government of Hong Kong.
- 2001- Vice-Board Director, Hong Kong Culture Association Limited, Hong Kong SAR.
- 2000-02 Member, Working Group on the Review of the Academic Structure for Senior Secondary Education and Interface with Higher Education, Education Commission, SAR Government of Hong Kong.
- 2000-02 Member, Working Group on the Development of Post-secondary Education, Education Commission, SAR Government of Hong Kong.
- 2002-18 Museum Expert Adviser (Science & Technology), Leisure and Cultural Services Department, SAR Government of Hong Kong.
- 1999- Board of Director, Hon Wah College, Hong Kong SAR.
- 1999-01 Member, Copyright Tribunal, Trade and Industry Bureau, SAR Government of Hong Kong.
- 1998-00 Member, Working Group on Post-Secondary 3 Education, Education Commission, SAR Government of Hong Kong.
- 1998-02 Honorary Adviser, Hong Kong Science Museum and Hong Kong Space Museum, Leisure and Cultural Services Department, SAR Government of Hong Kong.
- 1999- Patron, Concordia Hong Kong Foundation Limited, Hong Kong SAR.
- 1995- Governor, Fukien Association of International Cultural Exchange, Fujian, the PRC.
- 1992- Director of the Board, Hua Nan Women University, Fuzhou, Fujian, the PRC.

Other Professional Activities

- 2001 Chairman, Organizing Committee, Forum on the Commercialization of Research Output from Universities of Beijing and Hong Kong, September 2001, Hong Kong.
- 2001 Member, Coordinating Committee of the 3rd Cross-Strait Symposium on Plant Molecular Biology and Biotechnology, August 2001, Hong Kong.
- 2000 Chairman, Organizing Committee of the Asia-Pacific Symposium on Institutional Advancement, November 2000, Hong Kong.
- 1996 Member, Organizing Committee of the Second International Symposium & Workshop of Asia Pacific Society of Bioscientists, July 1996, Hong Kong.

- 1996 Chairman, Organizing Committee of the Asia-Pacific Conference on Science and Management of Coastal Environment, June 1996, Hong Kong.
- 1993 Chairman, Organizing Committee of the Asia-Pacific Symposium on Mangrove Ecosystem, September 1993, Hong Kong.
- 1992 Vice-Chairman, Organizing Committee of the International Conference in Environmental Biotechnology, January 1993, Hong Kong.
- 1992 Chief Advisor, Joint Schools Science Exhibition, 1992, Hong Kong.
- 1991 Delegate representing Hong Kong to attend the 4th Provincial Congress of Fujian CAST (China Association of Science & Technology), Fuzhou.
- 1990 Delegate representing Hong Kong to attend the 4th National Congress of CAST (China Association of Science & Technology), Beijing.
- 1990 Member, Organizing Committee for "Workshop on Environmental Science and Technology" 17-21 September, 1990.
- 1990 Member, Organizing Committee for the Symposium of FAOB (Federation of Asian and Oceanian Biochemists), Hong Kong, 1990.
- 1988-92 Chairman/Member, Organizing Committee for the "Most Distinguished Overseas Chinese Scholars" Programme.
- 1988 Secretary, Organizing Committee of GIAM-VIII and INCABB International Conferences, Hong Kong.
- 1988 Chairman, Session 22 (Plant Biotechnology), GIAM-VIII International Conference, Hong Kong.

Patents

ALGABIOTOR (Immobilized Microalgal System for Wastewater Treatment) (Patented in China, No: ZL 97 2 18981.5).

Using immobilized microalgal beads as alternate technology for the removal of TBT (tributyltin) from wastewater (Invention Patent in China ZL 2006 1 0034857.0) by Luan TG, Jin J, Chen MY, Tam NFY, Wong Y S and Wang XW. Granted on 28 October 2009.

Publications

A. Refereed Journal Papers:

- (1) **Wong, Y.S.**, Fincher, G.B. and Maclachlan, G.A. (1977) Cellulase Can Enhance β -Glucan Synthesis. *Science*, 195: 679-681.
- (2) **Wong, Y.S.**, Fincher, G.B. and Maclachlan, G.A. (1977) Kinetic Properties and Substrate Specificities of Two Cellulases from Auxin-treated Pea Epicotyls. *J. Biol. Chem.*, 252: 1402-1407.
- (3) Maclachlan, G.A. and **Wong, Y.S.** (1979) Two Pea Cellulases Display the Same Catalytic Mechanism Despite Major Differences in Physical Properties. *Advances in Chemistry*

Series, 181: 347-360.

- (4) **Wong, Y.S.** and Maclachlan, G.A. (1979) 1, 3- β -D-Glucanases from *Pisum sativum* Seedlings : I. Isolation and Purification. *Biochim. Biophys. Acta.*, 571: 244-255.
- (5) **Wong, Y.S.** and Maclachlan, G.A. (1979) 1, 3- β -D-Glucanases from *Pisum sativum* Seedlings : II. Substrate Specificities and Enzymic Action Patterns. *Biochim. Biophys. Acta.*, 571: 256-269.
- (6) **Wong, Y.S.** and Maclachlan, G.A. (1980) 1, 3- β -D-Glucanases from *Pisum sativum* Seedlings: III. Development and Distribution of Endogenous Substrates. *Plant Physiol.*, 65: 222-228.
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