



Brief Resume of Prof. Dr. Sudip K. Pal

Department of Civil Engineering, Chittagong University of Engineering & Technology

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PERSONAL SUMMARY

A committed academic with 18 years of experience at leading Bangladeshi academic institution and abroad through research activities and teaching students from various social and cultural backgrounds. Possessing excellent administrative, verbal communication and written skills along with constructive and effective teaching methods that promotes a stimulating learning environment. Currently engage in academic/research collaboration with several universities to excel academic career as well as engage in consultancy works to excel professional careers

EDUCATION

PhD, Heriot Watt University, Edinburgh, UK (September 2008 – January 2012)

Major in Environmental Engineering

Supervisors: Steve G. Wallis and Scott Arthur

Dissertation title: On heavy metal pollution from a suburban road network

M Eng, Asian Institute of Technology, Bangkok, Thailand (May 2006)

Major in Water Engineering and Management

Dissertation title: Assessment of water resources management from socio-economic perspectives, a case study of Bangladesh

BSc in Civil Eng, Bangladesh University of Engineering and Technology, Dhaka Bangladesh (August 2001)

Major in Environmental Engineering

Dissertation title: On the feasibility of wastewater recycling and reuse

CAREER HISTORY

April 2015 – Date

Director (Additional Charge), Directorate of Planning and Development
Chittagong University of Engineering and Technology, Chittagong, Bangladesh

April 2014 – August 2016

Head (Additional Charge), Department of Disaster & Environmental
Engineering

Chittagong University of Engineering and Technology, Chittagong, Bangladesh

March 2015 – Date

Professor, Civil Engineering,

Chittagong University of Engineering and Technology, Chittagong, Bangladesh

April 2014 – Date

Head, Department of Disaster and Environmental Engineering

Chittagong University of Engineering and Technology, Chittagong, Bangladesh

August 2013 – February 2015

Associate Professor, Civil Engineering, Chittagong University of Engineering and Technology, Chittagong, Bangladesh

September 2008 – December 2011

PhD Researcher and Teaching Assistant, School of the Built-Environment, Heriot-Watt University, UK

- Delivering lectures to groups of students
- Assessing students coursework and materials
- Actively leading class discussions and encouraging debate

Courses Taught: Hydrology and Hydraulics, Water and Wastewater Engineering, Pollutant transport in Rivers

May 2005 – July 2013

Assistant Professor, Civil Engineering, Chittagong University of Engineering and Technology, Chittagong, Bangladesh

September 2001 – May 2005

Lecturer, Civil Engineering, Chittagong University of Engineering and Technology, Chittagong, Bangladesh

RECENT RESEARCH/CONSULTANCY PROJECTS

- Higher Education Sustainability in Textile and Clothing Sector (HEST) in Collaboration with Bangladesh University of Textile (BUTEX), North South University (NSU), Asian University for Women (AUW), University of Hoff, Germany and Stuttgart University, Germany funded by DAAD (September 2017 to June 2019)
- Implementation of Research Based Laboratories for Civil Engineering, Disaster and Environmental Engineering, Architecture and Urban and Regional Planning Department Under Higher Education Quality Enhancement Project (HEQUP, CP- 174) funded by World Bank
- Capacity Development of CUET under NICHE Project funded by Nuffic, The Netherland
- Assessment of grey water use potential for non potable household purposes
- Assessing indoor and outdoor air quality in different zones of Chittagong City
- Bio-gas production from the solid waste, A case study of CUET
- Environmental though for Textile/Ready Made Garment Sector – funded by DAAD Germany in collaboration with German and Bangladeshi Universities
- Design of ETP for Domestic and Industrial Wastewater at various locations in Chittagong City
- Design of Wastewater Stabilisation Ponds in Cox's Bazar

PROFESSIONAL ACTIVITIES

- Member, Report Review Committee of Proposed 'Modhunaghat Water Treatment Plant' in Chittagong WASA
- Consultant, Civil Engineering Works under BRTC at CUET
- Member, Tender Evaluation Committee at CUET, KGCL, CWASA
- Project Director, Development of CUET funded by Ministry of Education, Bangladesh

KEY COMPETENCIES AND SKILLS

- Research •Teaching •Mentoring •Team work •Communication •Training
- Administrative •IT and technology •Field trips •Planning and organizing

AWARDS AND HONORS

- BHS Travel Grant, British Hydrological Society, UK, 2011
- Various research grants from World Bank, Nuffic, the Netherlands, UGC, Bangladesh
- RAE Travel Grant Award, Royal Academy of Engineering, UK, 2010
- James Watt Scholarship for PhD, Heriot-Watt University, Edinburgh, UK, September 2008-September 2011
- Y.P. Singhanian Master Thesis Complementary Award, Asian Institute of Technology, Thailand, May 2006
- ADB-JSP (Asian Development Bank-Japan Scholarship Program) for M Eng study at Asian Institute of Technology, Thailand, August 2004-June 2006
- Asian Development Bank Research Grant for M Eng Thesis, 2005
- Departmental Merit Scholarship for B Eng study at Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, 1996-2001

SELECTED JOURNAL PUBLICATIONS

Pal, S. K., Wallis, S.G. and Arthur, S. (2018) An Assessment of heavy metals pollution potential of road sediment derived from a suburban road network under different weather conditions. *Environmental Engineering and Management* 17(8), 1955-1966

Hossen, M. A., Pal, S. K. and Hoque, A. (2018) Assessment of Air Quality for Selected Locations in Chittagong City Corporation Area, Bangladesh. *International Journal of Innovative Research in Engineering & Management (IJIREM)*, 5(4), 121-128

Pal, S. K., Wallis, S.G. and Arthur, S. (2018) Spatial variability of heavy metals pollution potential from an urban road network. *Environmental Engineering and Management Journal* 17(9), 2097-2102

Pal, S. K., Wallis, S. G. and Arthur, S. (2012) Emission patterns of traffic related metals and associated contamination in road deposited sediments. *International Journal of Global Environmental Issues* 12(2/3/4), 229-241

Pal, S. K. and Mullick, R. A. (2011) Climate change consequences on hydrology: a pilot study from Bhola District, Bangladesh. *International Journal of Hydrology Science and Technology* 1(3/4), 260-271.

Pal, S. K., Wallis, S. G. and Arthur, S. (2011) Assessment of heavy metals emission from traffic on road surfaces. *Central European Journal of Chemistry* 9(2), 314-319.

Pal, S. K., Adeloye, A. J., Babel, M. S. and Das Gupta, A. (2011) Evaluation of the effectiveness of water management policies in Bangladesh. *International Journal of Water Resources Development* 27(2), 401-417.

Adeloye, A.J., Pal, S. and O'Neill, M. (2010) Generalised storage-yield-reliability modeling: Independent validation of the Vogel-Stedinger (V-S) model using a Monte Carlo simulation approach. *Journal of Hydrology* 388(3-4), 234-240.

Pal, S. K., Islam, S, and Babel, M.S. (2007) Artificial Neural Network for Pressure Management and new Leak Detection-A Cost effective Approach. *Journal of Civil and Earthquake Engineering* 1, 100-107.

Pal, S. K., Wallis, S. G. and Arthur, S. On the relationship between pollutant build-up on roads and antecedent dry days. Under review in the *Journal of Hazardous, Toxic and Radioactive Waste*, ASCE

REVIEWER FOR SCHOLARLY JOURNALS

Central European Journal of Chemistry
Environmental Monitoring and Assessment
Environmental Engineering and Monitoring Journal
Water Science and Technology
Water Policy
Journal of Civil and Earthquake Engineering (JCEE)

INVITED SPEAKERS

Pal, S. K., Wallis, S. G. and Arthur, S. Heavy metal pollution from an urban road network, ICE-SHSG (Institution of Civil Engineers-Scottish Hydrological Study Groups) workshop in 17 May 2011, University of Strathclyde, Glasgow.

THESIS SUPERVISION

100 Undergraduate Theses
2 Masters Theses
1 PhD Thesis in joint collaboration with Curtin University, Australia

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)
The Institution of Engineering and Technology (IET)
The Institution of Civil Engineers, UK – British Hydrological Society (ICE-BHS) Scottish Hydrological Study Group (SHSG)
International Water Association (IWA)
The Institution of Engineers, Bangladesh (IEB)