

G.N.PARNAVITHANA

312, Kandy Road,
Kadugannawa.

Tel. (Res.): +94812570691 (Mobile): +94768803859

E-Mail: ganila01@gmail.com,gnpar@ou.ac.lk



1. PERSONAL INFORMATION

NAME IN FULL : Ganila Nuwan Paranavithana.

DATE OF BIRTH : 31-07-1977

GENDER : Male

CIVIL STATUS : Married

NATIONALITY : Sri Lankan

N.I.C. NUMBER : 772130040 V

2. EDUCATIONAL QUALIFICATIONS

1. B.Sc. IN CIVIL ENGINEERING, UNIVERSITY OF PERADENIYA (Year 2004)

**2. M.Sc. IN ENVIRONMENTAL POLLUTION CONTROL ENGINEERING,
UNIVERSITY OF PERADENIYA (2012)**

**3. PhD IN ENVIRONMENTAL SCIENCE AND INFRASTRUCTURE ENGINEERING,
SAITAMA UNIVERSITY, JAPAN (2016)**

3. PUBLICATIONS

Journal Papers

- **Paranavithana GN**, Kawamoto K, Inoue Y, Saito T, Vithanage M, Herath GBB (2016), Adsorption of Cd²⁺ and Pb²⁺ onto Coconut shell biochar and biochar-mixed soil, journal of Environmental earth sciences, Vol. 75, No 6,
- Maddumabandara CM, Yatigammana S, **Paranavithana GN**, (2010), Scientific Validation of some Traditional Land and Water Management Practices under Village Tank Cascade systems, Economic Review, Vol. 36, N0 1&2, People's Bank Publication.

International Proceeding Papers

- **Paranavithana GN**, Sewwandi BGN, Saito T, Kawamoto K (2014) Adsorption characteristics of Cd(II) And Pb(II) onto coconut shell biochar and coconut shell

activated carbon as media for permeable reactive barriers in Sri Lanka. In proceedings of the special session on Developing countries. 5th International Symposium on Energy from Biomass and waste, Venice, B5,303.

- **Paranavithana GN**, Sewwandi BGN, Kawamoto K (2013) Soil characterization for the development of site-specific permeable reactive barrier in Sri Lanka: Mineralogical and surface charge properties for selected surface geologic media. In proceedings of the special session on Urban water Environment Monitoring and Management. 4th International Conference on Structural Engineering and Construction Management 2013 (ICSECM 2013), Kandy, SECM/13/120: 1-13

Abstracts

- An Abstract on “Development of Pervious paving blocks use recycled ceramic tile waste” 9th International Conference on Structural Engineering and Construction Management 2018 (ICSECM 2018), Kandy
- An abstract on “ Test the treatment efficiency of coir fiber as an Attached Growth Media for synthetic Waste water” on Annual Research Publications 2010, University of Peradeniya.
- Poster presentation on “ Accessing the performance of Attached growth anaerobic coir filters” for the Industrial day at Faculty of Engineering, University of Peradeniya
- An abstract on “Modeling of Rainfall Runoff Relationship With Neural Networks “ on Annual Research Publications 2003, University of Peradeniya.
- An Abstract on “Water Quality Modeling using QUEAL2E for Pinga Oya” on Annual Research Publications 2004, University of Peradeniya.

4. WORKING EXPERIENCE

Post held	Institute	From	To	No. of months
Senior lecturer Permanent basis	Open University of Sri Lanka	01/11/2017	To date	2 year 11 months
Senior Lecturer on contract basis	South Eastern University of Sri Lanka	01/11/2016	31/10/2017	12
Consultant on monitoring and evaluation at Iranamadu Irrigation Development Project	UN-IFAD	16/05/2016	31/12/2016	7
Irrigation Design consultant at Iranamadu Irrigation Development project	IIDP-Kilinochchi	14/9/2015	14/3/2016	6
Reading for PhD in Japan	Saitama University-Japan	1/10/2012	14/9/2015	36
Instructor at Engineering Education Unit	Faculty of Engineering, University of Peradeniya	1/05/2012	31/07/2012	3
Coordinator for Globally Important Agricultural Heritage Systems (GIAHS)	Central Engineering Consultancy Bureau(CECB)	01/05/2011	31/01/2012	8
Local Expert on Flood mitigation	For JICA under Nippon Koei Ltd. Team	21/07/2010-	15/01/2011	5.5
Resident Engineer consultancy at Pallekelle International Cricket Stadium	State Engineering cooperation (SEC)	01/03/2010-	31/06/2010	4
Consultant on irrigation tank	Evaluation Study on the Tank Rehabilitation Project in the	01/07/2009-	31/02/2010	8

rehabilitation and environmental engineering	Anuradhapura District – Plan, Sri Lanka			
Construction Manger	Weerasooriya Builders(Pvt) Ltd	01/01/2009	31/06/2009	6
On-farm design and construction Engineer	Walawe Left Bank Irrigation Extension Project in Nippon Koei Pvt.Ltd	01/01/2007	31/12/2008	24
Manager Engineering	Natural Resources Management Services (Pvt)Ltd.	01/03/2006	31/12/2006	9
Procurement Engineer	Davids and M Engineering (pvt).Ltd	01/01/2006	28/02/2006	2
Environmental Engineer	Central Engineering Consultancy Bureau(CECB)- Diganna Base	01/12/2004	31/12/2005	12

5. DESIGN EXPERIENCE

Irrigation Designs

- Rehabilitation of 15 existing irrigation tanks at Walawe Left Bank Extention Project.
- Designing of Irrigation Canals, irrigation water tanks, Drainage canals and related control and supportive structures such as Sluices, Regulators, and Drainage under crossings, turnouts, aqueducts etc. at Walawe Left bank Project Area.

Environmental Designs

- Water Supply & Waste Water Disposal & Treatment Systems for the proposed building of Aranayake Pradeshiya Sabha.
- Water Supply & Waste Water Disposal & Treatment Systems for the proposed building of Embilipitiya Based Hospital.
- On hand experience of designing of Constructed Wetlands.
- Toilet Waste Disposal System at Dambulla Economic Centre.
- Toilet waste Disposal System at Multi-Storied Cark Park and Shopping Complex, Kandy.

- Water Supply & Waste Water Disposal & Treatment Systems for the proposed building of Oncology Unit at General Hospital Badulla.
- Water Supply & Sewerage Disposal System at Polonnaruwa Town Hall.
- Water Supply & Sewerage disposal system at Dambulla Secretariat Building.

Structural Designs

- Designing play grounds, Biodiversity parks, Activity centers and auditoriums.
- Preparing, Checking and approving of construction drawings for Roads, Buildings, Bridges and play grounds.

6. CONSTRUCTION EXPERIENCE

- Construction and contract management of 5 roads with earthen sub base and Single Size Aggregate Base (SSAB) wearing surface for a cumulative length of 6km at Dimbullagala and Arralaganwilla for Weerasooriya Builders (Pvt) Ltd.
- Geometric design of 20km long 6.5 m wide Market Road No1 at Wawale Left Bank Extension Project and construction supervision with Double Based Surface Treatment (DBST) surfacing and Asphalt concrete surfacing for Nippon Koei Company Ltd.
- Hydraulic Designs of culverts and drains for Market Road No1 at Walawe Left Bank Extension Project for Nippon Koei Company Ltd.
- Construction supervision and management for 4 lane, 32 m span bridge across Main Drainage No4 on the Hambantota bypass road in design coordination with Bridge Design Unit of Road Development Authority (RDA) for Nippon Koei Company Ltd.

7. PROJECT COORDINATION & JOB PROMOTION

- Local coordinator of the Collaborative project on Tsunami Wave Modeling & developing a new Building code to Resist tsunami between University of Tsukuba , United Nations University and Central Engineering Consultancy Bureau.
- Worked as the coordinator for the Conference on “Hydropower Sri Lanka” between International Centre for Hydropower (ICH) of Norway and CECB Sri Lanka.
- Job promotion work for NRMS for bidding the Water Shed Management Activities (Hydrological monitoring, Gulley Conservation, Conservation Oriented Agriculture, Land use cover mapping).
- Promoting Kaluganga Agricultural Project –Environmental Impact Assessment Study for NRMS.

- Contract supervision of Reforestation and forestation contracts of Walawe Left Bank Project.
- Preparation of Terms of Reference and tender Documents for Water Quality Study for ground and surface water in Walawe left bank project area.
- Preparation of Terms of Reference and tender Documents for Soil Salinity study in Walawe left bank project area.
- Preparation of Concept Paper for study on Adaptable flora species for different soil conditions to prevent and mitigate drainage canal erosion.
- Evaluation of Bid documents for various contracts as per NPA guidelines of Sri Lanka.
- Construction Management and design of working drawings and preparation of As built drawings.

9. NON-RELATED REFREES

Prof. C M Madduma Bandara

Former Vice Chancellor,
University of Peradeniya,
Peradeniya,

Tel:-

Mobile : 0777-594096

Residence : 081-2217265

E-mail : mbandara@sltnet.lk

Dr. G.B.B. Herath

Senior Lecturer
Environmentals lab
Faculty of Engineering,
University of Peradeniya
Peradeniya

Office : 081-2393572

Mobile : 077-3689838

E-mail : gemunuh@pdn.ac.lk

I do hereby declare that the above particulars furnished by me are true and correct to the best of my knowledge.



.....
(Paranavithana G.N.)