

# Curriculum Vitae



## **1.0 Personal Information**

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- Surname with initials :- T.S.S.Jatunarachchi
- Names denoted by initials :- Thudawattage Sumudu Sajeewareka
- Date of birth :- 18<sup>th</sup> of February 1965      Age :- 54 yrs.
- Gender :- Female
- National Identity card no. :- 655491929V
- Marital status :- Married
- Home address :- 192/6 , 9<sup>th</sup> Lane, Nawala Road, Rajagiriya.
- Telephone :- -94-11-2806221      Mobile :- -94-71-2761774  
Office :- -94-11-2881044

## **2.0 Educational Qualifications**

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### ***Postgraduate:***

- M.Phil - 1999 ( Biomethenation as a process waste recycling technique)  
The Open University of Sri Lanka,

### ***Undergraduate:***

- BSc Eng(Hons) (Chemical Engineering) - 1992, University of Moratuwa  
Sri Lanka

## **3.0 Training/Participation/Resources Person**

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- Served as resource person for workshop on “training by Subcontracted production” for COTT staff
- Served as resource person for teacher training programme for NIE staff.
- Served as member/chairman of the panel of examiners to evaluate MSc research projects, University of Moratuwa.
- Training on production of educational video and audio conducted by the Educational Technology Division, The Open University of Sri Lanka
- Training on multimedia course ware development -Conducted by Indira Gandhi National Open University, New Delhi, India
- Cleaner Production consultant/Auditor training programme – Conducted by National Cleaner Production Centre (NCPC), Sri Lanka

- Served as a resource person in evaluation panels for various activities conducted by the NCPC Sri Lanka
- Participated in a National Biogas Survey organized by Intermediate technology Development Group and Energy Forum, Sri Lanka
- Served as resource person for short courses on composing, biogas generation etc, conducted by the Dept of civil Engineering, OUSL

#### **4.0 Professional Qualifications**

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Associate member of the Institute of Engineers Sri Lanka

#### **5.0 Publications**

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- TSS Jatunarachchi, AU Senaratna, Ajith De Alwis ( 2006) “Study of Anaerobic digestion of Brewery Spent grains” International Energy Journal Vol 7, No 4
- KNHP Liyanage, TSS Jatunarachchi (2005) “ Cleaner Production in Sri Lanka; Role of Higher Educational Institutions” Journal of Scientific & Technical Studies, Nepal
- VR Sena Peiris, KNHP Liyanage, TSS Jatunarachchi (2006) ”profitability through Cleaner Production” Third International conference on Business Management, University of Sri Jayawardanapura, Sri Lanka
- NS Senanayake, TSS Jatunarachchi, Y Pathiraja (2011) “Situation analysis in the construction and operation of biogas plant: A case study at the Open University of Sri Lanka” The International Conference & Utility Exhibition .
- De Silva, K.B.S., Senanayake, N. S. Jatunarachchi T.S.S. “Cooling effect caused by Magneto-caloric Materials”. Proceedings of the 69th Annual Sessions, SLAAS, 2 - 6 December, 2013,
- Kahandagamage, G. A., Senanayake, N. S., Jatunarachchi T.S.S. “Effect of Charge Air Temperature on Specific Fuel Consumption in Intercooled Direct Injection Diesel Engines Used for Power Generation”, International Review of Mechanical Engineering, Vol. 7 , No. 7, November 2013, pp. 1446 -1450.

- Kahandagamage, G. A., Senanayake, N. S., Jatunarachchi T.S.S.  
“Performance and emission analysis of intercooled direct injection diesel engines used for power generation during day and night times operation – A case study “ International Journal of Energy Engineering 2014,4(1): pp16-20
- Maduluwage Lakshitha,, Prasad D.M. Senanayake, N. S., Jatunarachchi T.S.S. “Feasibility of Operating Organic Rankine cycle with Waste Heat”  
Annual sessions , Sri Lanka Association for the Advancement of Science (SLAAS) December . 2015
- Chandrakumara H.G.D., Sadaruwan N.S.P.M., Dadigamuwa P.R., Jatunarachchi T.S.S. “Saving Energy consumption in Glass Printing Lehr”,  
European Journal of Advances in Engineering and Technology, 2016.  
3(11): pp 42-45
- Mallawaarchchi N.S., Sumanasiri K.R.D., Jatunarachchi T.S.S.  
“Developing a double drill machine to enhance the accuracy of the drilling process in brush manufacturing”. Proceedings of the 72nd Annual sessions, Sri Lanka Association for the Advancement of Science, p28 (SLAAS), December 2016.
- Chandrakumara H.G.D., Sadaruwan N.S.P.M., Dadigamuwa P.R., Jatunarachchi T.S.S. “Method of Minimizing Gas Consumption in Glass Printing Lehr” Annual sessions , Sri Lanka Association for the Advancement of Science (SLAAS) Dec. 2017
- Morapitiya M.J.B., Wijewardana D.C., and Jatunarachchi T.S.S.  
“Performance Enhancement of a laboratory Steam Power Plant Condenser”  
Annual sessions , Sri Lanka Association for the Advancement of Science (SLAAS) Dec. 2017
- Sandaruwan N.S.P.M., Dadigamuwa P.R., Jatunarachchi T.S.S.  
“Waste Heat Recovery from Printing Lehr of Glass Manufacturing Process”  
European Journal of Advances in Engineering and Technology, 2018, 5(8):  
521-524

## 6.0 Working Experience

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- At present working as a Senior Lecturer attached to the Department of Mechanical Engineering, The Open University of Sri Lanka since 1993. Primary duties and responsibilities are the overall academic coordination and development of courses in Bachelor of Technology Honours in Engineering Programme.
- Served as a Assistant Facilitator of the Sustainable Energy Worldwide MSc programme conducted by Royal Institute of Technology, Sweden.
- Served as a Student Counsellor for the faculty of Engineering Technology for three years
- Serving as a Member/ Chairman in various committees such as  
Faculty Quality Assurance Committee  
Faculty Editorial Board \_ JET  
Curriculum development Committee– Dept of Mech. Eng.  
Thermo- fluid group course team Committee- Dept of Mech Eng  
Programme Development Committee - M.Sc in Industrial Engineering  
Programme Development Committee – Master of Energy Management

I do here confirm all the details given above are to the best of my knowledge true and correct.

Sumudu Jatunarachchi