

## Profile



Name : Dr. D. Hudson Oliver

Gender : Male

Designation : Assistant Professor

Department : Physics

Date of Birth : 26-12-1985

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Approved Guide (University) Name : Nil

Served as Resource Person :

1. Delivered a lecture in “Piezoelectricity” on 01/02/2018 at Newton Club, Department of Physics, Senthamarai College of Arts and Science, Madurai.
2. Delivered a lecture in “Geophysics” on 24/10/2019 at Department of Physics, Holy Cross College (Autonomous), Nagercoil.
3. Delivered a lecture in Preparation of Academic and Administrative Audit Report on 28/01/2020 at Kamaraj College, Thoothukudi -3.
4. Delivered a lecture in “Wonders of Physics in Biology” on 02/03/2020 at Department of Physics (Self-Financed), Madura College, Madurai.

## List of Publications

1. Stanley Raj A, **Hudson Oliver D**, Srinivas Y (2017), “Goelectrical data processing using Neuro fuzzy pattern recognition scheme for unambiguous subsurface modelling”, International Journal of Hydrology Science and Technology (Article in Press).
2. A.Stanley Raj, **D.Hudson Oliver**, Y.Srinivas (2016), Forecasting groundwater vulnerability in coastal region of southern Tamil nadu – a Fuzzy based approach. Arabian Journal of Geosciences, 9:351
3. Srinivas Y., **Hudson Oliver D.**, Stanley Raj A., and Chandrasekar N (2015). Geophysical and geochemical approach to identify the groundwater quality in Agastheeswaram Taluk of Kanyakumari District, Tamil Nadu, India. Arab. J Geosci. Springer Publications. DOI 10.1007/s12517-015-1989-y.
4. Srinivas Y., **Hudson Oliver D.**, Stanley Raj A., and Chandrasekar N (2014). Delineation of groundwater potential zones along the coastal parts of Kanniyakumari diatrick, Tamilnadu. Journal of Indian Geophysical Union, v.18, no.3, pp:356-362
5. Srinivas Y., **Hudson Oliver D.**, Stanley Raj A., and Chandrasekar N (2014).Quality assessment and hydrogeochemical characteristics of groundwater in Agastheeswaram taluk, Kanyakumari district, Tamil Nadu, India. Chinese Journal of Geochemistry. Springer Publications.v.33:221
6. Stanley Raj A, Srinivas Y, **Hudson Oliver D** and Muthuraj D (2014). A novel and generalized approach in the inversion of geoelectrical resistivity data using Artificial Neural Networks (ANN). J. Earth Syst. Sci. (Springer publicactions). v.123(2), pp.395-411.
7. Srinivas Y., Muthuraj D., **Hudson Oliver D.**, Stanley Raj A., and Chandrasekar N (2013) Environmental applications of Geophysical and Geochemical methods to map groundwater quality at Tuticorin, Tamilnadu, India. Environmental Earth Sciences, Springer Publications (DOI 10.1007/s12665-013-2502-0). v.70, pp.2143–2152
8. Srinivas Y., **Hudson Oliver D.**, Stanley Raj A., and Chandrasekar N (2013). Evaluation of groundwater quality in and around Nagercoil town, Tamilnadu, India: an integrated geochemical and GIS approach. Appl Water Sci. Springer Publications DOI 10.1007/s13201-013-0109-y, V3, pp.631–651
9. Srinivas Y., Stanley Raj A., **Hudson Oliver D.**, Muthuraj D., and Chandrasekar N (2012). Estimation of subsurface strata of earth using adaptive neuro-fuzzy inference system (ANFIS) . Acta Geod. Geoph. Hung., Vol. 47(1), pp. 78–89 . DOI: 10.1556/AGeod.47.2012.1.7
10. Srinivas Y., Stanley Raj A., **Hudson Oliver D.**, Muthuraj D., and Chandrasekar N (2012). A robust behavior of Feed Forward Back propagation algorithm of Artificial Neural

Networks in the application of vertical electrical sounding data inversion. Geoscience Frontiers (Elsevier Publications). doi:10.1016/j.gsf.2012.02.003

11. Srinivas Y., **Hudson Oliver D.**, Stanley Raj A., Muthuraj D., and Chandrasekar N (2012). Estimation of conductance anomalies in subsurface through Dar- Zarrouk parameters by resistivity inversion method. International Journal of Physical and Mathematical Sciences Vol 3, No 1 pp.140-151. ISSN: 2010-1791.

Project Details : Nil