

Name : **S. Aruna Jyothy**

Designation : **Assistant Professor**

Qualifications : **Ph.D.**

Date of Joining : **03-07-2007 AN**

Publications :
(International / National / Journals & Conferences)

International Journals

- K. Chandra Sekhar Reddy, **S. Aruna Jyothy** and P.Mallikarjuna, “Evaluation of Evapotranspiration Estimation Methods and Development of Crop Coefficients for Groundnut Crop”, International Organization of Scientific Research, Vol.2, Issue.6, pp.35-42, ISSN : 2250-3021, June 2012. (Corresponding Author).
- B. Damodhara Reddy, I. V. Ramana Reddy and **S. Aruna Jyothy**, “An Experimental Investigation on the Performance of Mortar Cubes by Partial Replacement of Portland Slag Cement with and without Admixtures”, International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459, Vol.3 Issue 1 of IJETAE, pp.438-446, 20, January 2013.
- Mallikarjuna Perugu, **Aruna Jyothy Singam** and Chandra Sekhar Reddy Kamasani, “Multiple Linear Correlation Analysis of Daily Reference Evapotranspiration” Water Resources Management – An International Journal – Published for European Water Resources Association (EWRA) by **Springer** ISSN 0920-4741, Vol.27, Issue 5, pp.1489-1500, January, 2013. (**Impact Factor - 2.02**). (Corresponding Author).
- B. Damodhara Reddy, I. V. Ramana Reddy and **S. Aruna Jyothy**, “ Evaluation of Mechanical and Durability Properties of Portland Slag Cement with partial Replacement of Cement by Different Mineral and Chemical Admixtures”, International Academy of Science Engineering and Technology – International Journal of Civil Engineering, Vol.2, Issue 1, pp.29-38 February 2013, ISSN 2278-9987. (**Impact Factor – 0.6824**).
- B. Damodhara Reddy, **S. Aruna Jyothy** and I. V. Ramana Reddy, “Influence of Microsilica on the Properties of Ordinary Portland Cement and Portland Slag Cement with and without Superplasticizers”, International Journal of Engineering and Advanced Technology (IJEAT), Vol.2, Issue 3, pp.610-616, February 2013. (**Impact Factor 1.0**)
- B. Damodhara Reddy, **S. Aruna Jyothy** and I. V. Ramana Reddy, “Effect of Rice Husk Ash on Properties of Ordinary Portland Cement and Portland Slag Cement with and without Superplasticizers”, International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD) ISSN 2249-6866, Vol.3, Issue 2, pp.1-8, June 2013. (**Impact Factor 5.48**)

National Journals

- Dr. P. Mallikarjuna and **S. Aruna Jyothy**, “Evapotranspiration Studies for Irrigation Projects—A Case Study”, Institute of Engineers (India) Journal, Vol. 89, pp. 5-13, December, 2008.
- **S. Aruna Jyothy**, Ch. Suresh Babu and P.Mallikarjuna, “Modelling of Monthly Streamflows using Stochastic and ANN Models”, Institute of Engineers (India) Vol. 92, pp. 3-11, May, 2011.
- P. Mallikarjuna, **S. Aruna Jyothy** and K. Hemanath, “Probability Distribution Analysis of Maximum Hourly Rainfall Intensity – A Case Study”, Hydrology Journal of the Indian Association of Hydrologists, Vol.34 pp.42-49, Issue 1&2, January-June 2011.
- K. Chandra Sekhar Reddy, **S. Aruna Jyothy** and P.Mallikarjuna, “Daily Reference Evapotranspiration Estimation Using Linear Regression and ANN Models”, Journal of The Institution of Engineers (India): Series A, July 2013, ISSN 2250-2149.
- **S. Aruna Jyothy**, P.Mallikarjuna and K. Chandra Sekhar Reddy, “Development of Crop Coefficient Model for Few Crops of Andhra Pradesh”, Institute of Engineers (India) Journal, (Corresponding Author, Under Review).

International Conferences

- K. Chandra Sekhar Reddy, **S. Aruna Jyothy** and P.Mallikarjuna “Estimation of Weekly Reference Evapotranspiration using Linear Regression and ANN Models” International Joint Conference on Advances in Engineering Technology – AET 2010, pp. 83-88, December 21-22, 2010, Trivandrum, India. (Participated and Presented a paper)
- **S. Aruna Jyothy**, K. Chandra Sekhar Reddy, and P.Mallikarjuna “Development of Crop Coefficient Models for Weekly Crop Evapotranspiration Estimation” International Conference on Recent Trends in Transportation Environmental and Civil Engineering – TECE 2011, pp.81-85, September 14-15, 2011, Bangalore, India. (Participated and Presented a paper)
- B.Damodhara Reddy, I.V.Ramana Reddy, **S.Aruna Jyothy** and M.Murali “An Experimental Study on Performance of Mortar Cubes by Partial Replacement of Cement with and without Admixtures” 2nd International Conference on Advances in Mechanical, Manufacturing and Building Sciences ICAMB – 2012, pp.993 – 999, January 9-11, 2012, Vellore, India.
- B.Damodhara Reddy, **S.Aruna Jyothy**, I.V.Ramana Reddy, and M.Bhargava, “Comparative Study on PSC and OPC with Partial Replacement of Different Pozzolanic Materials” Proceedings of International Conference on Advances in Architecture and Civil Engineering AARCV-2012, Vol.1, pp.11-16,21-23, June2012, Bangalore, India.

National Conferences

- **S. Aruna Jyothy**, K. Chandra Sekhar Reddy, P.Mallikarjuna and I. Jasmin, “Comparison of Evapotranspiration Estimation Methods and Statistical Approach for Regression Modeling of Evapotranspiration”, 2nd AP Science Congress, pp.155-156, November 14-16, 2009. (Participated and Presented a paper)
- I. Jasmin, P. Mallikarjuna and **S. Aruna Jyothy** “Evaluation and Management of Groundwater Quality for Various Uses – An overview”, 2nd AP Science Congress, pp. 156, November 14-16, 2009.