

Name : **Prof. P.Mallikarjuna**

Designation : **Professor**

Qualifications : **Ph.D.**

Date of Joining : **28-03-1985**

Publications :
(International / National / Journals & Conferences)

International journals

- 1) Jasmin, I., Murali, T. and **Mallikarjuna, P.**, “Statistical Analysis of Groundwater Depths in Upper Swanamukhi River Basin”, International Journal of Water Resource and Protection, Vol.2, No.6. pp. 577-584, June,2010, ISSN:1945-3094.
- 2) Ismail Jasmin and **Mallikarjuna, P.**, “Review : Satellite- based Remote Sensing and Geographic Information System and their Application in the assessment of groundwater potential with particular reference to India”, J. Hydrogeology Journal (2011), Springer, Vol.19, No.4., pp. 729-740, ISSN 1431-2174.Impact Factor:1.387
- 3) K.Chandra Sekhar Reddy, S.Aruna Jyothy, **Mallikarjuna, P.**, “ Evaluation of Evapotranspiration Estimation Methods and Development of Crop Coefficients for Groundnut Crop”, International Organization of Scientific Research journal of Engineering, Volume 2, Issue 6, (June 2012), pp. 35-42.
- 5) Ismail Jasmin and **Mallikarjuna, P.**, “Morphometric Analysis of Araniar river basin using Remote Sensing and Geographical Information System in the Assessment of Groundwater Potential”, Arabian Journal of GeoSciences (August,2012), Springer, Vol.6,No.10, pp.3683-3692, ISSN 1866-7511. Impact Factor: 1.141
- 6) **Mallikarjuna,P.**, Aruna Jyothy, S., Chandrasekhar Reddy, K., “ Multiple Linear Correlation Analysis of Daily Reference Evapotranspiration” International Journal of Water Resources Management, Springer (Netherlands), ISSN 0920-4741, Volume 27, Issue 5(2013), pp.1489-1500. Impact Factor: 2.02
- 7) Ismail Jasmin and **Mallikarjuna, P.**, “Physico-chemical quality evaluation of groundwater and development of drinking water quality index for Araniar river basin, Tamil Nadu, India”, J. Environmental Monitoring and Assessment” (2013), Springer.(Accepted for publication).
- 8) Ismail Jasmin and **Mallikarjuna, P.**, “Evaluation of groundwater suitability for irrigation purpose in Araniar river basin, Tamil Nadu, India”, J. Irrigation Sciences (2013), Springer.(In review)
- 9) Ismail Jasmin and **Mallikarjuna, P.**, “Mapping of groundwater potential zones in Araniar river basin, Tamil Nadu, India – An integrated remote sensing and geographical information system approach”, J. Hydrogeology Journal (2013), Springer (In review).
- 10) **Mallikarjuna,P.**, Aruna Jyothy, S., Chandrasekhar Reddy, K., “ Performance of Recalibrated Equations for the Estimation of Daily Reference Evapotranspiration” International Journal of Water Resources Management, Springer.(Communicated).

National journals

- 1) **Mallikarjuna,P.**, Suresh Babu, Ch., Jaganmohan Reddy, A., “Rainfall- Runoff Modelling using Artificial Neural Networks”, ISH Journal of Hydraulic Engineering, The Indian Society for Hydraulics, Vol.15, No.1, March,2009, pp.24-33.
- 2) **Mallikarjuna,P.**, Suresh Babu, Ch., Jaganmohan Reddy, A., “Simulation of Monthly Streamflows using Linear Regression and ANN Models”, ISH Journal of Hydraulic Engineering, The Indian Society for Hydraulics, Vol.15, No.2, September,2009, pp.131-143.
- 3) Aruna Jyothy, S., Suresh Babu, Ch., **Mallikarjuna, P.**, “Modelling of Monthly Streamflows using Stochastic and ANN Models”, Journal of The Institution of Engineers (India) Vol.92, May, 2011, pp.3-11.
- 4) **Mallikarjuna,P.**, Aruna Jyothy,S., Hemanath, K., “Probability Distribution Analysis of Maximum Rainfall Intensity – A Case Study”, Hydrology Journal of Indian Association of Hydrologists, Vol.34,Issue 1&2,January-June,2011,pp.42-49.
- 5) **Mallikarjuna. P.**, Chandrasekhara Reddy, K., “ Daily Reference Evapotranspiration using Artificial Neural Networks”, Hydrology Journal of Indian Association of Hydrologists, Vol.35, Number1&2, January-June,2012, pp.19-28.
- 6) **Mallikarjuna,P.**, Jyothy, S.A., Chandrasekhara Reddy, K., “Daily Reference Evapotranspiration Estimation using Linear Regression and ANN Models”, Journal of The Institution of Engineers - A Series(India), Springer, Vol.93(4), Nov.2012-Jan.2013, pp.215-2219.(DOI 10.1007/s40030-013-0030-2)
- 7) **Mallikarjuna,P.**, Aruna Jyothy, S., Chandrasekhara Reddy, K., “Development of Crop Coefficient Model for few Crops of Andhra Pradesh”, Journal of The Institution of Engineers - A Series(India), Springer.(In review).
- 8) **Mallikarjuna, P.**, Srinivasa Murthy, D., Basha Mohiddin, M., “Probability Analysis of Maximum and Minimum Daily Streamflows – A Case Study”, Journal of Indian Water Works Association.(In review)

International Conferences

- 1) Chandrasekhar Reddy, K., Aruna Jyothy, S., **Mallikarjuna, P.**, “Estimation of Weekly Reference Evapotranspiration using Linear Regression and ANN Models”, International Conference on Advances in Civil Engineering 2010 (ACE) organized by Civil and Environmental Engineers at Trivendrum, Kerala, India, December 20-23, 2010, Proceedings of the Conference, ISBN: 978-81 - 910691 – 3 – 6, pp. 83 – 88,
- 2) Aruna Jyothy, S., Chandrasekhar Reddy, K., **Mallikarjuna, P.**, ” Development of Crop Coefficient Models for Weekly Crop Evapotranspiration Estimation”, International Conference on Recent Trends in Transportation, Environmental and Civil Engineering – TECE 2011, September 14-15, 2011, Bangalore, India

National conferences/ seminars/ symposia

- 1) Chandrasekhar Reddy, K., **Mallikarjuna, P.**, “Monthly Reference Evapotranspiration Estimation using Artificial Neural Networks”, National Conference on 21st Century Emerging Trends in Civil Engineering Globe, September 3-4, 2010, Proceedings p. 37.

Others

- 1) Narasimha Rao, A.V., **Mallikarjuna, P.**, Pradeep Kumar, G.N., “Failure of Buildings due to Foundation Problems at Padmavathipuram near Tirupati”, Proceedings of the 53rd Annual General Meeting of the Institution of Engineers (India), A. P. State centre, Hyderabad, Nov., 1982.
- 2) Aruna Jyothy, S., Chandrasekhar Reddy, K., Jasmin, I., **Mallikarjuna, P.**, ” Comparison of Evapotranspiration Estimation Methods and Statistical Approach for Regression Modelling of Evapotranspiration”, 2nd AP Science Congress, SV University, Tirupati, November 14-16, 2009, Proceedings pp. 155 – 156.
- 3) Jasmin, I., Aruna Jyothy, S., **Mallikarjuna, P.**, ”Evaluation of Groundwater Quality for Various Uses – An Overview”, 2nd AP Science Congress, SV University, Tirupati, November 14-16, 2009, Proceedings p.156.

AWARDS/PRIZES

Union Ministry of Water Resources – Department of Irrigation Prize for the technical paper titled “Modelling of Monthly Streamflows using Stochastic and ANN Models” published in the Journal of The Institution of Engineers (India) during 2011-2012.