

PUBLICATIONS IN JOURNALS

1. K. Leela Krishna, **A. Srinivasa Prasad** (2021) 'Best compromised reservoir operating policy under uncertain inflows by fuzzy linear programming' *Ecology, Environment and Conservation*, Vol. 27 (2), 650–655, 2021. (ISSN: 0971–765X, Scopus Indexed).
2. K. Leela Krishna, N. V. Umamahesh and **A. Srinivasa Prasad**, 'Multi –Objective Reservoir Operating Strategies by Genetic Algorithm and Non-Linear Programming (GA-NLP) Hybrid Approach', *Journal of The Institution of Engineers (India): Series A*, December 21, 2019, pp. 1-11. (Scopus)
3. **A.Srinivasa Prasad** and K.Leela Krishna (2019), "Optimal design of looped water supply network by GA-NLP hybrid approach" *Journal of Physics: Conference Series*, Volume 1344, Number 1 (doi:10.1088/1742-6596/1344/1/012030) (Scopus).
4. K.Leela Krishna, **A.Srinivasa Prasad** and N.V.Umahesh (2019), "Optimal crop water allocation coupled with reservoir operation by Genetic Algorithm and Non-Linear Programming (GA-NLP) hybrid approach" *Journal of Physics: Conference Series*, Volume 1344, Number 1 (doi:10.1088/1742-6596/1344/1/012006) (Scopus).
5. K. Leela Krishna, N. V. Uma Mahesh and **A. Srinivasa Prasad** (2018): "Optimal multipurpose reservoir operation planning using Genetic Algorithm and Non Linear Programming (GA-NLP) hybrid approach", *ISH Journal of Hydraulic Engineering*, VOL. 24, NO. 2, 258-265. (Taylor and Francis) (Scopus).
6. **Srinivasa Prasad, A.**, N V Umamahesh and G K Viswanath (2013), Short-Term Real-Time Reservoir Operation for Irrigation, *J. Water Resour. Plann. Manage.*, 2013, 139(2): 149-158 (Doi:10.1061/(ASCE)WR.1943-5452.0000234) (SCI)
7. **Srinivasa Prasad, A.**, N.V. Umamahesh and G.K. Viswanath (2011), Optimal Irrigation Planning Model for an Existing Storage Based Irrigation System in India, *Irrig. Drainage Syst.* (2011) 25:19–38 (DOI 10.1007/s10795-011-9108-z) (Scopus)
8. P. Srinivas, G. N. Pradeep Kumar, **Srinivasa Prasad, A.**, T. Hemalatha,(2011) Generation of Groundwater Quality Index Map: A Case Study, *Civil and Environmental Research*, IISTE, Vol.1, No.2
9. **Srinivasa Prasad, A.**, N.V. Umamahesh and G.K. Viswanath (2006), Optimal Irrigation Planning under Water Scarcity, *Journal of Irrigation and Drainage*, ASCE, Vol. 132, No. 3, pp 228-237 (SCI)

PUBLICATIONS IN CONFERENCES

1. K. Leela Krishna and **A. Srinivas Prasad** 'Best compromised multi-purpose reservoir operating policy under conflicting objectives by fuzzy linear programming' Pandit Publications, ISBN: 978-93-89044-24-9.
2. K.Leela Krishna, **A.Srinivasa Prasad** and N.V.Umamahesh "Best compromised multi-purpose reservoir operating policy by Fuzzy Linear Programming" International conference Hydro-2019, organized by *Osmania University* in association with Indian society for hydraulics during December 18-20, 2019.
3. **A.Srinivasa Prasad** and K.Leela Krishna, "Optimal design of looped water supply network by GA-NLP hybrid approach", International conference on Recent inventions and Innovations in mathematical sciences (ICRIIMS-2019) at Andhra University during 28th Feb and 1st March 2019.
4. K.Leela Krishna, **A.Srinivasa Prasad** and N.V.Umamahesh, "Optimal crop water allocation coupled with reservoir operation by Genetic Algorithm and Non-Linear Programming (GA-NLP) hybrid approach", International conference on Recent inventions and Innovations in mathematical sciences (ICRIIMS-2019) at Andhra University during 28th Feb and 1st March 2019.
6. K.Leela Krishna, **A.Srinivasa Prasad** and N.V.Umamahesh, presented a paper titled "Derivation of optimal rule curves of Nagarjuna sagar reservoir by Genetic algorithm" in National conference organized by NIH Kakinada (Deltaic regional center) during 8th & 9th Dec 2016.
7. **A.Srinivasa Prasad** and K.Leela Krishna, "Optimal steady-state reservoir operating policy by Stochastic Dynamic Programming ", three-day national conference on water, Environment & society (NCWES-2016) at centre for water resources, JNTU Hyderabad , 6-8th Jun 2016.
8. **A.Srinivasa Prasad** and K.Leela Krishna, "Integrated reservoir operation and Irrigation scheduling ", three-day national conference on water, Environment & society (NCWES-2016) at centre for water resources, JNTU Hyderabad , 6-8, Jun 2016.
9. K.Leela Krishna, **A.Srinivasa prasad** and N.V.Umamahesh, "Optimal reservoir operating policies by using Genetic Algorithms", three-day national conference on water, Environment & society (NCWES-2016) at centre for water resources, JNTU Hyderabad , 6-8, Jun 2016.
10. K.Leela Krishna, **A.Srinivasa prasad**, N.V.Umamahesh, "Forecasting Inflow of Srisaillam dam using Artificial Neural Networks", two-day national conference on water, Environment & society (NCWES-2015) at centre for water resources, JNTU Hyderabad , 30-31, July 2015.

11. G N P Kumar, P Srinivas and **A.S.Prasad**, Generation of water quality index map for a basin - A case study, National conference on Recent Advances in Chemical & Environmental Engineering conducted by NIT, Rourkela, 20-21, Jan 2012.
12. **Srinivasa Prasad. A** and G K Viswanath, Reservoir Inflow Forecasting by Artificial Neural Networks, National conference on Mathematical Modelling in Engineering & Technology organized by Stanley College of Engineering & Technology, Hyderabad . 13-14, Feb 2010
13. **Srinivasa Prasad. A** and G K Viswanath, Simulation of water surface profile in Periyar Main canal, National conference on Recent Advances in Fluid Mechanics & Solid Mechanics conducted by NIT, Rourkela, 27-28, Feb 2010
14. **Srinivasa Prasad. A** and G K Viswanath, Least cost design of looped pipe network, National conference on Recent Advances in Fluid Mechanics & Solid Mechanics conducted by NIT, Rourkela, 27-28, Feb 2010
15. **Srinivasa Prasad. A**, N V Umamahesh and G K Viswanath, Optimal Annual Allocation Model for Nagarjuna Sagar Project by Multilevel Approach, National conference on Sustainable Water Resources Management and Impact of Climate Change organized by BITS,Pilani- Hyderabad campus, 5-6 , Mar 2010
16. **Srinivasa Prasad. A**, N V Umamahesh and G K Viswanath, Estimation of Crop water requirements and Optimal Irrigation scheduling of major crops under NSRC command area, National conference on Watershed management and Impact of Environmental changes on Water Resources, organized by Dept. of Civil Engineering ,JNTU, Hyderabad,. 22-23, Feb 2007
17. **Srinivasa Prasad. A**,P V S Maruthi Krishna and G K Viswanath, An LP model for estimation of active storage capacity of Gundlakamma Reservoir, National conference on Watershed management and Impact of Environmental changes on Water Resources, organized by Dept. of Civil Engineering ,JNTU, Hyderabad,. 22-23, Feb 2007
18. **Srinivasa Prasad. A**, N V Umamahesh and G K Viswanath, An LP Fortnight wise Reservoir operational Model for Gundlakamma Reservoir Project, International conference on Hydrology and Watershed Management organized by Centre for Water Resources, JNTU, Hyderabad, 5-8, Dec 2006
19. **Srinivasa Prasad. A**, N V Umamahesh and G K Viswanath Optimum Weekly Irrigation Planning Model for an existing storage based irrigation system in India, International symposium on Recent Advances in Water Resources Development and Management" organized at IIT, Roorkee 23-25, Nov 2005

20. **Srinivasa Prasad. A**, N V Umamahesh and G K Viswanath, Seasonal Crop-water Production Functions of Major Crops Under NSRC Project, National conference on Recent Advances in Civil Engineering" organized by Kakatiya Institute of Technology & Science, Warangal 29-30, Dec 2003

FDP ATTENDED

- Online Elementary FDP on "Urban Hydrology" at College of Technology, G B Pant University of Agriculture and Technology from 2021-08-02 to 2021-08-06 through AICTE Training And Learning (ATAL) Academy.
- Online Elementary FDP on "Nature Inspired Optimization Techniques" at National Institute of Technology Delhi, from 2021-7-19 to 2021-7-23 through AICTE Training And Learning (ATAL) Academy.
- Five-day online FDP “Applications of remote sensing & GIS in water resources”, Department of Civil Engineering, N.I.T. Andhra Pradesh, Oct. 19–23, 2020.
- One-week online STTP “Soft computing techniques in civil engineering: water resources, structures & transportation applications” AICTE, Department of Civil Engineering, Shri Vishnu Engineering College for Women, Bhimavaram, July 20–25, 2020.
- A five-day International Webinar, “Climate Change Impact on Water Resources and Environment”, Organized by Andhra University, Visakhapatnam, Andhra Pradesh, July 15–19, 2020.
- Attended a two day workshop on "Fuzzy logic and applications in Civil Engineering" during 15-16, March 2019 at BITS Pilani Hyderabad campus.
- Attended a Training cum workshop on "Irrigation Modernization" organised by Water resources department, government of Andhra pradesh, during 27th to 31st March 2017 at Vijayawada.
- Attended AICTE approved FDP on "Foundation programme in ICT for Education" conducted by IIT Bombay through ICT during 3rd August to 7th September, 2017.
- Attended AICTE approved FDP on "Pedagogy for online Blended Teaching-learning process" conducted by IIT Bombay through ICT during 14th September- 12th October, 2017.
- A two day workshop on Urban Flood Management organized by BITS,Pilani, Hyderabad campus, Nov 20-21, 2015.
- A two day workshop on Reservoir sedimentation using RS & GIS organized by NIH, Kakinada, Feb 12-14, 2014.
- Two day workshop on Emerging Trends in water Supply Sector organized by NIT, Warangal, April 13-14, 2012.

- Short Term Course under QIP on Data Driven Modeling in Civil Engineering : Soft Computing Techniques at IIT Madras from November 8-12, 2004.
- Short Term Course on System Analysis Techniques and Computer Applications in Water Resources Management at IIT Roorkee, during January 5-12, 2004.
- Short Term Training Programme on Irrigation Management at NIT Warangal during 31st Dec2001 - 12th January 2002.
- Winter school on Neuro-fuzzy and Expert System Applications in Civil Engineering at University college of Engineering, Osmania University during Jan 3-13, 2000.
- QIP Short Term Course on Expert System and Artificial Neural Network Applications in Civil Engineering at IIT Kanpur during May 18-22, 1998.
- QIP Short Term Course on Experimental Geotechnics at IIT Bombay during June 15-16, 1998.
- Induction Training Course of AICTE held at Academic Staff College, Andhra University, Visakhapatnam during June 10-29, 1996.

RESEARCH & SPONSORED GRANTS

- A R&D project sponsored by AICTE, New Delhi entitled “Integrated Reservoir Operation and Irrigation Scheduling “has been completed. The amount sanctioned for this project was Rs.1.4 lakhs.

PROFESSIONAL SOCIETIES

- Indian Society for Technical Education
- Indian Association of Hydrologists - LM1837
- Indian Geotechnical Society - LM2042
- Indian Society for Rock Mechanics & Tunnelling technology - LM2022

ADMINISTRATIVE EXPERIENCE

- Co-ordinator of IQAC RVR&JC College of Engineering, Chowdavaram from 2017.
- Worked as Head of the Department of civil engineering, VFSTR (Deemed to be University), Vadlamudi from 30-09-2009 to 05-11-2014