Dr. Sanaga Srinivasulu

Ph.D(IITK), Post Doc.(U of S Canada),Visiting Scholar (University of Colorodo,Boulder), Visiting Professor Saga University,Japan

Professor

Life member ISTE and Life member International association of Low Land Technology(IALT)

Civil Engineering

Areas of Interest:

- Specialized in Hydraulics and Water Resources and Expertise in Rainfall-Runoff Modelling, Surface Hydrology, Artificial Intelligence ,RS and GIS applications to civil EngineeringÂ

Joined as Assistant professor of Civil Engineering in the year 1994 at Kakinada and worked at Centre for Spatial Information Technology, Institute of Science and Technology, Hyderabad for 7 years. Presently working at the Department of Civil Engineering JNTUCE Hyderabad. Completed Ph.D (Civil Engineering) with the Specialization of Hydraulics and Water Resources from IIT Kanpur. Won the best discussion award from ASCE – Journal of Hydrologic Engineering,
Visited to CADSWES,University of Colorado,as a visiting scholar at Boulder,USA and Post Doc fellow at Uof S, Canada. Worked as a foriegn researcher(Guest profesor) at ILMR, Saga University, JAPAN in the year 2012 and 2015-16 . Selected to Asian Institute of Technolgoy(AIT),Bangkok forSecondment progrmme by ministry of Human Resources, Govt. of India, Given Expert Lecture at Asean Lecture Progrmme conducted by Saga University Japan, 2014 and given expert lecture at lowland Asssociation at Saga universityJapan. Published one National jounrnal paper and 16 international journal papers in a reputed international Journals with relatively high impact factor having about 1600 citations by nov 2022 with H.index of 10. presented/published 16 international conference papers in a reputed international scintific organisation. Further Functioned as a asssociate editor to International journal Lowland Technology International in 2012, and 2015-16 and reviewer to many international journals published by Elsevier, ASCE etc. Life member of ISTE and International Association of Lowland Technology

- **Educational & Professional**

- **Academic Qualifications**
  - Ph.D(Civil Engineering) in Hydraulics and Water Resources, IIT Kanpur with 9.17/10 (2000-2003)
- M.Tech in Water Resources, JNT University Hyderabad with First Class with Distinction (1990-1992)
- B.E in Civil Engineering, Andhra University with First Class (1985-1989)

Professional Experience

- **Teaching Experience**
- Post Doctoral Research Fellow, University of Saskatchewan, Canada (2008-08-01 - 2009-05-31)
- Foreign Researcher/visiting professor, Saga University,JAPAN (01-04-2012 - 30-09-2012)
- Foreign Researcher/visiting professor, Saga University,JAPAN (01-12-2015 - 2016-06-30)

- **At JNTUH**
- Professor, JNTUHCEH (2011 - Till Date)
- Associate Professor, JNTUHCEH (2006 - 2010)
- Associate Professor, IST, JNTUH (2004 - 2006)
- Asst Professor, IST,JNTU (1999 - 2004)
- Asst Professor, JNTUH College of Engineering, Kakinada (1994 - 1999)

- **Research**

- **Research Projects**
- *1. Sanctioned a research project as a co-investigatorâ€œCost effective and novel treatment method development for the remediation and reuse of pesticide industrial wastewater" as a co-investigatoror,* funded by DST - 25 lakshs (2017 - 2019)

- **Books**
- 2. Jain, A, Srinivasulu, S. , *A book Chapter:"Hydrologic model calibration using evolutionary optimisation"Practical Hydroinformatics: Computational intelligence and technological developments in water applications*,, Springer-Verlag, 978-3-540-79880-4, 2008
- 1. Srinivasulu, S., Jain, A, *Book Chapter "Rainfall-runoff Modelling: Integrating available data and modern techniques."Practical Hydroinformatics: Computational intelligence and technological developments in water applications*, Springer-Verlag, 978-3-540-79880-4, 2008

- **Publications**
- **International Journals**
- 1. Sindu A, Bhagawan D, Kiran Kumar Panga, himbindu V , Srinivasulu Sanaga , *Treatment of pesticide intermediate industrial wastewater using hybrid methodologies*, Applied Water Science , ISBN No.2190-5495, Vol No.11, Issue No.56, springer , March, 2021
- Sindhu A â€œ , Bhagawan D, Kiran Kumar P, Vijaya Krishna S, himbindu V, Srinivasulu Sanaga , *Treatment of pesticide intermediate industrial waste water using different advanced treatment methodologies â€œ*, Applied Water Science, Vol No. Volume 11, Issue No.Issue 3, springer, August , 2021
- P. Kesava Rao, Y.Mishima, S. Srinivasulu, N.Bhaskara Rao, *Identification of Urban Spraw- A case study of Vijayawada City, Andhra Pradesh, Indiaâ€•*., Lowland Technology International, Vol No.Volu 18, Issue No.1, pp.59-64, https://doi.org/10.14247/lti.18.1_59, 2016
- Nikhat Nawaz, , S.Srinivasulu,, P.Kesava Rao, *Comparison of extraction methods for Water Bodies from Meta Dataâ€•*, 9th International Symposium on Lowland, 9th International Symposium on Lowland,Saga, Japan, September 29-October 1 , 2014
- Nikhat Nawaz, , S.Srinivasulu,, P.Kesava Rao, *Automatic Extraction of Water Bodies Using Whole â€“ R Method.*, International Journal of Environmental Science and Engineering . , Vol No.7, Issue No.12, pp.845-848, WASET, 2013
- Nikhat Nawaz, , S. Srinivasulu, , P. Kesava Rao, *Automatic Extraction of Water Bodies Using Whole â€“R Method*,, International conference of world academy of science, engineering and technology , Issue No.84, pp.249-252, december , 2013
- 5. Elshorbagy, A., , Corzo, G., , Srinivasulu, S. , Solomatine, D., *Experimental Investigation of the Predictive Capabilities of Data Driven Modeling Techniques in Hydrology: I. Concepts and methodology*, Hydrol. Earth Syst. Sci, ISBN No.10.5194/hessd-6-7055-2009, Vol No.14, Issue No.6(6), pp.1931-1941, Copernicus Publications on behalf of the European Geosciences Union., October , 2010
- Elshorbagy, A , Corzo, G, Srinivasulu, S, Solomatine, D, *Experimental Investigation of the Predictive Capabilities of Data Driven Modeling Techniques in Hydrology: II. Application.*, Hydrology and Earth System Sciences, Vol No.14, Issue No.10, pp.1943-1961, https://doi.org/10.5194/hess-14-1943-2010, October , 2010
- Srinivasulu Sanaga , Ramu K, Madhira Madhav, *Identification of swell potential and Degree of Expansion using ANN*, Int. Jour. of Earth Sciences & Engineering,, Vol No. 3 , Issue No.2, pp.275-289, april, 2010
- S.S. Asadi â€œ, , 2009., S. Srinivasulu, *An Integrated approach for Ground water Resources Mapping using Remote Sensing & Geographic Information Systemâ€•*, Journal of Environmental Science Research Internation , Vol No.1, Issue No.(1-2), January-December , 2009
- Sanaga Srinivasulu , Ashu Jain, *â€œRiver flow prediction using integrated approachâ€•*,, ASCE J. Hydrol. Engg, Vol No.14, Issue No.1, pp.75-83, 2009
- Jain, A. , Srinivasulu, S. , *â€œIntegrated Approach to Modeling Decomposed Flow Hydrograph using Artificial Neural Network and Conceptual Techniquesâ€•*,, J. Hydrol. , Vol No.317, Issue No.3-4, pp.291-306, https://doi.org/10.1016/j.jhydrol.2005.05.022, february, 2006
- Srinivasulu, S , Jain, A. , *â€œA Comparative Analysis of Training Methods for Artificial Neural Network Rainfall-Runoff Modelingâ€•*, Applied Soft Computing, Vol No. 6, Issue No.3, pp.295-306, elsevier https://doi.org/10.1016/j.asoc.2005.02.002, march, 2006
- Jain, A., , Srinivasulu, S.,, Bhattacharjya, R, *â€œDetermination of an Optimal Unit Pulse Response Function using Real-Coded Genetic Algorithmâ€•*, ., journal of hydrology, Vol No.303, Issue No.1-4, pp.199-214, Elsevier https://doi.org/10.1016/j.jhydrol.2004.07.014, march, 2004
- Sudheer, K.P., Jain, A., Srinivasulu, S., *â€œDiscussion of Performance of Neural Networks in Daily Stream flow Forecasting by S. Birikundavyi, R. Labib, H. T. Trung and J. Rousselleâ€•, J. Hydrol. Engg., , 553-555*, journal of Hydrology engineering, Vol No.9, Issue No.6, pp.553-555, ASCE, march/april, 2004
- Jain, A,, Bhattacharjya, R, Sanaga Srinivasalu, *â€œOptimal Design of Composite Channels using Genetic Algorithmâ€•*,, J. Irrig. and Drain. Engg., ISBN No.1943-4774, Vol No.130, Issue No.4, pp.286-295, ASCE https://doi.org/10.1061/(ASCE)0733-9437(2004)130:4(286), August , 2004
- Jain, A., Srinivasulu, S., *â€œDevelopment of Effective and Efficient Rainfall-Runoff Models using Integration of Deterministic, Real-Coded Genetic Algorithms, and Artificial Neural Network Techniquesâ€•*,, Wat. Resour. Res.,, ISBN No.ISSN:1944-7973, Vol No.40, Issue No.4, WILEY https://doi.org/10.1029/2003WR002355, april, 2004
- Jain, A , Sudheer, K.P, Srinivasulu, S, *â€œIdentification of Physical Processes inherent in Artificial Neural Network Rainfall Runoff Models?*,, Hydrol. Processes,, ISBN No. ISSN:1099-1085., Vol No.118, Issue No.3, pp.571-581, wiely https://doi.org/10.1002/hyp.5502, February, 2004
- Srinivasulu, S., Jain, A., *â€œComparative Analysis of Training Algorithms for ANN Rainfall-Runoff Modelsâ€•*,, Proc. IICAI2003: First Indian Intl. Conf. on Artificial Intelligence, , Hyderabad, India., pp.18-20, December , 2003
- Anjireddy. M., Srinivasulu. S. , *â€•Comparison of IRS-IB LISS-IIA pixel array sizes for estimating suspended solids concentration in Hussain Sagar Lake, Hyderabad, India â€“ a statistical approach.â€•*, Int J. Remote Sensing,, ISBN No.0143-1161, Vol No.Vol. 15, Issue No.18, pp.3693-3706, taylor and francis https://doi.org/10.1080/01431169408954352, may, 1994

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International Conference

- Sanaga Srinivasulu,, Srinivasa Rao Peddinti, Phanindra KBVN, *Root Water Uptake Patterns in Young and Matured Orange Trees â€“A Case Study*,, ISLT, ISBN No.ISBN: 978-604-82-2483-7, pp.26-28, ISLT, Hanoi, Vietnam. , Sep. , 2018
- *Removal of Organic Pollutants From Industrial Waste Water Using penton Process ISLT*-, ISLT, pp.26-28, ISLT Hanoi, Vietnam., Sep, 2018
- Srinivasa Rao Peddinti, Phanidndra KBVN, Sanaga Srinivasulu, *Role of Climate Variables and spectral indices in characterizing ecosystem water use efficiency of flood irrigated citrus orchards AGU Fall Meeting*, New Orleans, USA, pp.11-15, New Orleans, USA , December , 2017
- Dr. S. Srinivasulu , *Joint Use of ERT, Tracer, and Numerical Techniques to Image Preferential Flow Paths in a Fractured Granite Aquifer* ,, AGU Fall Meeting, pp.11-15, AGU Fall Meeting,New Orleans, USA 2017, December 11-15, New Orleans, USA , 2017
- Le Gia Lam, Sajay Kumar Shukla, Takenori Hino , Sanaga Srinivasulu, *â€• Conolidation of Soft Clay improved with PVD om Laboratory and Field Conditionsâ€•*,, 10th International Symposium on Lowland, pp.15-16, 10th International Symposium on Lowland, september, 2016
- Y.Mishima, , H.Araki, Sanaga Srinivasulu , *â€œResponse and Measures to Strong Intensity Rainfall of Saga Lowland*,, 8th International Symposium on Lowland, , pp.11-13, 8th International Symposium on Lowland, Bali ,Indonesia, September , 2012
- *ANN based Prediction and Sensitivity Analyses of Maximum Dry Unit Weight and Optimum Moisture Content Values over a Large Range*,, 8th International Symposium on Lowland,Bali ,Indonesia, pp.11-13, 8th International Symposium on Lowland,Bali ,Indonesia, September , 2012
- Elshorbagy, A.,, Corzo, G., Srinivasulu, S., Solomatine, D. , *Experimental investigation of the predictive capabilities of soft computing techniques in hydrology*, CANSIM Series Report No. CAN-09-01, Centre for Advanced Numerical simulation (CANSIM), Department of Civil & Geological Engineering, University of Saskatchewan, Saskatoon, SK, Canada, pp. 49. CAN-09-01.pdf , pp.49, 2009
- Satyaji Rao, Y.R, Vijaya Kumar, S.V., Rao., U.V.N, Srinivasulu, S., *â€• Experimental studies on In-situ Field Infiltration Characteristics.â€•*, J. of Appli. Hydr.., Vol No.Vol. XVI,, Issue No.No. 3, , pp.28-37, 2003
- Srinivasulu, S., Jain, A., *â€œSystems Theoretic Approach to Modeling Rainfall-Runoff Process with Conceptual Componentâ€•*,, Proc. River Basin Management 2003: Second Intl Conf. on River Basin Mgmt., , Las Palmas, Gran Canaria, Spain, pp.28-30, April , 2003
- Srinivasulu, S., Jain, A, *â€œOptimal Unit Hydrograph using Genetic Algorithmâ€•*,, Proc. River Basin Management 2003: Second Intl Conf. on River Basin Mgmt., Las Palmas, Gran Canaria, Spain, pp.28-30, April , 2003
- Jain, A., Srinivasulu, S., *â€œCalibration of Infiltration Parameters using Genetic Algorithmâ€•*,, Proc. of HYDRO 2002: Conference On Hydraulics, Water Resources & Ocean Engg., , IIT Bombay, Bombay, India., pp.16-17, December, 2002
- Jain, A. , Srinivasulu, S., *â€œRainfall-Runoff Pattern Mapping using Artificial Neural Networksâ€•*,, Proc. of Intl Conference on Hydrology and Watershed Management with a focal theme on water quality and conservation for sustainable development,, Centre for Water Resources, Institute of Post Graduate Studies and Research, JNTU Hyderabad, India, pp.18-20, December , 2002
- Amin Elshorbagy , G.Corzo, , ,D. Solomatine, S.Srinivasulu, *â€œData Driven Techniques Scrutinized : is there one better than the rest?â€•*, European Geographical Union (EGU) General Assembly, Vienna, Austria, , pp.19-24, April
- *Integration of System Theoritic and System dynamics modeling techniques for Prediction of Soil Moisture*, European Geographical Union (EGU) General Assembly, Vienna, Austria,, pp.19-24, April

- **Honors & Professional Activities**

- **Professional Activities**
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PROFESSIONAL DISTINCTIONS

1. Foreign Researcher (A Guest Professor), Saga University, Japan from December 1, 2015 to --&April1, 2012 to September 30, 2012.
2. Delivered Special Lecture at Lowland Research Association (LORA) on May 31, 2016, Saga, Japan.
3. Delivered Expert lecture at ASIAN Collaborative Lecture on Development and Management of Infrastructure in Lowland City, Saga, JAPAN, October 1-4, 2014.
4. Selected for Asian Institute of Technology (AIT) ,Bangkok for Secondment Programme by MHRD Govt of India in the year 2013.
5. Associate editor to International journal the Lowland Technology International (LTI), Published by IALT, Saga University , 2012, 2015, and 2016
6. Post-Doctoral position : University of Saskatchewan, Saskatoon, Canada from 1st August 2008 to May 2009
7. Visiting Scholar at CADSWES, University of Colorado, USA from 7th May 2007 to 1st June 2007.
8. American Society of Civil Engineers(ASCE) Journal of Hydrological Engineering - Best Discussion award -2006
9. Reviewer ASCE, Elseveir published Journals
10. Life member International Association of Lowland Technology
11. Contributed two chapters international book **Practical Hydroinformatics** pulished by **springer verlog international**

- **Teaching**
- Structural Analysis-I in Civil Engineering II year II semester (2019,2020,2)
- Engineering Mechanics in Civil Engineering First Year (2007)
- Hydraulic Machines and System in Mechanical Engineering II semester (---)
- Fluid Mechanics and Hydraulic Machines in Mechanical Engineering II semester (2014)
- Solid Mechanics in Mechanical Engineeirng I Semester (2014 & 2015)
- C-Programming in Civil Engineering I semester (1997)
- Numerical Methods in Structural Engineering M.Tech(PTPG) (--)
- Strength of Materials-2 in Civil Engineering II semester (2013)
- Strength of Materials-1 in Civil Engineering I semester (2013)
- Irrigation Drawing in Civil Engineering I semester (1997)
- Water Resources Systems in M.Tech(IS) &B. Tech(IV) year I semester (--)
- Remote Sensing &GIS in Civil Engineering I semester (--)
- Artificial Neural Networks and Fuzzy logic in M.Tech (Water Resources) II semester (2005-06)
- Global Positioning Systems in M.Tech(GST) II semester (--)
- Surveying Technology in M.Tech(GST) I Semester (---)
- Digital Image Processing in M.Tech(CSIT) II semester (2004-05)
- Geographical Information System in M.Tech(CSIT) I semester (2004-05)
- Remote Sensing Physics in M.Tech(CSIT) I semester (-)
- irrigation Engineering in Civil Engineering II semester (1995-1999 &)
- Water Resources Engneering-1 &Water Resources Engineering -II in Civil Engineering I semester (1995-1999)
- Hydraulics and Hydraulic Machinary in Civil Engineering II semester (1994-1999 &)
- Fluid Mechanics in Civil Engineering I semester (1994-1999 &)

- **Adminstrative Positions Held**
- Officer-in- Charge(Head of the Centre), Centre for Spatial Information Technology, 01 Dec 1999 - 30 Jun 2000
- Head of the Department, Department of Civil Engineering, 08 Jul 2021 - 07 Jul 2022
- Chairman,BOS for Civil Engineering, JNT University, Hyderabad, 01 Jun 2017 - 31 May 2019
- Officer in charge of Examinations, IST, 01 Sep 2003 - 31 Aug 2005

- **Consultancy**

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Wetting of Chittor water supply project in the year 2012-13 (latest)

- **Countries/Foreign Universities**

- Saga University, Japan , 01-12-2015 to 30-06-2016 Foreign Researcher
- Saga University, Saga, JAPAN , 01-04-2012 to 30-09-2012 Foreign Researcher
- University of Saskatchewan, Saskatchewan, CANADA , 01-08-2008 to 31-05-2009 Post Doctoral position
- University of Colorado, Boulder, USA , 07-05-2007 to 01-06-2007 Visiting Scholar

- Others

SUMMERY OF RESEARCH OUTPUT:

The research work carried out during and after the completion of my Doctoral work was published in AGU,ASCE, Elsevier etc. in terms of 8 international journal papers with relatively high impact factor. Further my thesis contributed two chapters in an internationally published book Practical Hydroinformatics: Computational intelligence and technological developments in water applications by Springer-Verlag. Furthermore published papers and book were contributed to enhance the knowledge of the research community throughout the world known by virtue of the citation index of our published papers. The work carried out during my Post-Doctoral position at University of Saskatchewan was contributed to produce two international Journal papers, two international conference paper and a technical note. The results of our work is utilized in the research project Performance Assessment and Hydrologic Modeling of reconstructed watersheds and reclamation strategies.

PUBLICATIONS

a) Books/Book Chapters

1. Srinivasulu, S. and Jain, A (2008), Rainfall-runoff modelling:? Integrating available data and modern techniques. In: RJ Abrahart, LM See, D Solomatine (eds.), Practical Hydroinformatics: Computationalintelligence and technological developments in water applications, Springer-Verlag, 59-70.

2. Jain, A and Srinivasulu, S. (2008), Hydrologic model calibration using evolutionary optimisation. In: RJ Abrahart, LM See, and D Solomatine (eds.), Practical Hydroinformatics: Computational intelligence and technological developments in water applications, Springer-Verlag, 293-30

b) International Journal

1. Nikhat Nawaz, S.Srinivasulu, P.Kesava Rao. Automatic Extraction of Water Bodies Using Whole – R Method. International Journal of Environmental Science and Engineering Vol.7 No: 12,2013. WASET

2. Elshorbagy**, A.,** Corzo, G.**,** Srinivasulu, S. and Solomatine, D. 2010. Experimental Investigation of the Predictive Capabilities of Data Driven Modeling Techniques in Hydrology: I. Concepts and methodology. *Hydrol. Earth Syst. Sci., 14,1931-1941.*

3. Elshorbagy, **A.,** Corzo, G.**,** Srinivasulu, S. and Solomatine, D. 2010. Experimental Investigation of the Predictive Capabilities of Data Driven Modeling Techniques in Hydrology: II. Application.*Hydrol. Earth Syst. Sci., 14,1943-1961.*

4. Srinivasulu Sanaga, Ramu K abd Madhira Madhav,. Identification of swell potential and Degree of Expansion using ANN, Int. Jour. of Earth Sciences & Engineering, Vol. 3 (2), 2010.

5. S.S. Asadi and S. Srinivasulu (2009) " An Integrated approach for Ground water Resources Mapping using Remote Sensing & Geographic Information System" Journal of Environmental Science Research Internation , 1(1-2), January-December 2009.

6. Sanaga Srinivasulu and Ashu Jain. (2009), "River flow prediction using integrated approach", *ASCE J. Hydrol. Engg*., Vol14(1), 75-83.

7. Jain, A. and Srinivasulu, S. (2006), "Integrated Approach to Modeling Decomposed Flow Hydrograph using Artificial Neural Network and Conceptual Techniques", *J. Hydrol*. 317,291-306

8. Srinivasulu, S. and Jain, A. (2006), "A Comparative Analysis of Training Methods for Artificial Neural Network Rainfall-Runoff Modeling", *Applied Soft Computing*. 6,295-306.

9. Jain, A., Srinivasulu, S., and Bhattacharjya, R. (2004), "Determination of an Optimal Unit Pulse Response Function using *Real-Coded* Genetic Algorithm", *J. Hydrol*., 303(1-4),199-214.

10. Sudheer, K.P., Jain, A., and Srinivasulu, S. (2004), "Discussion of Performance of Neural Networks in Daily Stream flow Forecasting by S. Birikundavyi, R. Labib, H. T. Trung and J. Rousselle", *ASCE J. Hydrol. Engg*., 9(6), 553-555.

11. Jain, A., Bhattacharjya, R., and Sanaga Srinivasalu (2004), "Optimal Design of Composite Channels using Genetic Algorithm", *ASCE J. Irrig. and Drain. Engg*., 130(4), 286-295.

12. Jain, A. and Srinivasulu, S. (2004), "Development of Effective and Efficient Rainfall-Runoff Models using Integration of Deterministic, Real-Coded Genetic Algorithms, and Artificial Neural Network Techniques", *Wat. Resour. Res*., 40(4), W04302, doi:10.1029/2003WR002355.

13. Jain, A., Sudheer, K.P., and Srinivasulu, S. (2004), "Identification of Physical Processes inherent in Artificial Neural Network Rainfall Runoff Models?, *Hydrol. Processes*, 118(3), 571-581.

14. Anjireddy. M. and Srinivasulu. S. (1994),"Comparison of IRS-IB LISS-IIA pixel array sizes for estimating suspended solids concentration in Hussain Sagar Lake, Hyderabad, India – a statistical approach." *Int J. Remote Sensing*, Vol. 15, No. 18, 3693-3706, 1994.

c) National Journal:

- Satyaji Rao, Y.R., Vijaya Kumar, S.V., Rao., U.V.N. and Srinivasulu, S. (2003)" Experimental studies on In-situ Field Infiltration Characteristics." *J. of Appli. Hydr*.. Vol. XVI, No. 3, 28-37.

d) International Conference

1. Nikhat Nawaz, S.Srinivasulu, P.Kesava Rao. Comparison of extraction methods for Water Bodies from Meta Data" 9th International Symposium on Lowland, September 29-October 1 2014,Saga, Japan.

2. Nikhat Nawaz, S. Srinivasulu, P. Kesava Rao ; Automatic Extraction of Water Bodies Using Whole –R Method, International conference of world academy of science, engineering and technology international science index: issue 84 december 2013 Dubai pg no : 249 – 252

3. Response and Measures to Strong Intensity Rainfall of Saga Lowland, 8th International Symposium on Lowland, September 11-13, 2012,Bali ,Indonesia

4. ANN based Prediction and Sensitivity Analyses of Maximum Dry Unit Weight and Optimum Moisture Content Values over a Large Range, 8th International Symposium on Lowland, September 11-13, 2012,Bali ,Indonesia

5. Amin Elshorbagy, G.Corzo, D. Solomatine and S.Srinivasulu "Data Driven Techniques Scrutinized : is there one better than the rest?" European Geographical Union (EGU) General Assembly, Vienna, Austria, April 19-24

6. Integration of System Theoritic and System dynamics modeling techniques for Prediction of Soil Moisture European Geographical Union (EGU) General Assembly, Vienna, Austria, April 19-24

7. Srinivasulu, S. and Jain, A. (2003), "Comparative Analysis of Training Algorithms for ANN Rainfall-Runoff Models", Proc. *IICAI2003*: First Indian Intl. Conf. on Artificial Intelligence, December 18-20, 2003, Hyderabad, India.

8. Srinivasulu, S. and Jain, A. (2003), "Systems Theoretic Approach to Modeling Rainfall-Runoff Process with Conceptual Component", Proc. *River Basin Management 2003*: Second Intl Conf. on River Basin Mgmt., 28-30 April 2003, Las Palmas, Gran Canaria, Spain

9. Srinivasulu, S. and Jain, A. (2003), "Optimal Unit Hydrograph using Genetic Algorithm", *Proc. River Basin Management 2003: Second Intl Conf. on River Basin Mgmt*., 28-30 April 2003, Las Palmas, Gran Canaria, Spain

10. Jain, A. and Srinivasulu, S. (2002), "Calibration of Infiltration Parameters using Genetic Algorithm", *Proc. of HYDRO 2002: Conference On Hydraulics, Water Resources & Ocean Engg*., December 16-17, 2002, IIT Bombay, Bombay, India.

11. Jain, A. and Srinivasulu, S. (2002), "Rainfall-Runoff Pattern Mapping using Artificial Neural Networks", Proc. of Intl Conference on Hydrology and Watershed Management with a focal theme on water quality and conservation for sustainable development, December 18-20, 2002, Centre for Water Resources, Institute of Post Graduate Studies and Research, JNTU Hyderabad, India

d) Technical Reports

- **Elshorbagy, A.** *Corzo, G., Srinivasulu, S. and Solomatine, D. 2009. Experimental investigation of the predictive capabilities of soft computing techniques in hydrology. CANSIM Series Report No. CAN-09-01, Centre for Advanced Numerical simulation (CANSIM), Department of Civil & Geological Engineering, University of Saskatchewan, Saskatoon, SK, Canada, pp. 49. CAN-09-01.pdf*

OTHER ADMINISTRATIVE (ACADEMIC) EXPERIENCE:

- **Nominated and Functioning** as a Board of Studies Chairman for the faculty of Agricultural Engineering to JNT University Hyderabad since 2014
- **Nominated and functioned** as a Board of studies member for the faculty of Civil Engineering to JNT University Hyderabad
- **Nominated and functioned** as a Finishing School Coordinator at JNTUH college of Engineering
- **Nominated and functioned** as a NCC officer to look after NCC requirements of the students of JNTUH College of Engineering, Hyderabad.
- **Nominated and Functioned** as a Coordinator EMACET-2009,EAMCET-2010 and EAMCET-2011.
- **Nominated and Functioned** as a co-opt member for the committee constituted by APSCHE to study the impact of intermediate marks inclusion in the EAMCET at the year 2010.
- **Officer-in- Charge (Head of the Department)** for Centre for Spatial Information Technology (CSIT), Institute of Science and Technology (formerly IPGSR), JNTU Hyderabad, from December 1999 to June 2000.
- **Officer -in- Charge of Examinations**, Institute of Science of Technology (IST), for 2 years
- **Officer-in-Charge Examinations of MCA Nodal Centre**, at IST for 2 years
- **Nominated and Functioned** as Building Committed Convener for the construction of New IST Building under the TEQIP Phase-I
- **Nominated and Functioned a**s Infrastructure facilitator for Institute of Science and Technology from 2004 to 2006.
- **Member, Board of Governing Council** for VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad and Rishi Engineering College for women, Hyderabad.

Acted as session chair for the a session conducted at International Symposium for Low Land Technology (ISLT 2012) conducted at Bali , Indonesia, Saga, Japan, and for some National conferences conducted at India.

Contact :

Dr. Sanaga Srinivasulu
Civil Engineering

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Phone: ---