

Bio-Data of
SRINIVASA RAO YAMMANI

1. Name : SRINIVASA RAO YAMMANI
2. Residential Address : Shanthi Residency, FF-2, 5th flr, Syamala Nagar, Rajahmundry-533103
3. Date of Birth : 02.06.1966
4. Designation : Professor
5. Department : Geology
6. Office Address : Dept. of Geology, Adikavi Nannaya University, Rajahmundry - 533296
7. Nationality : Indian
8. Educational Qualifications:

GIS applications in Geosciences, Indian Institute of Remote Sensing, Dehradun, India 1998

Doctor of Philosophy, Sri Venkateswara University, Tirupati, India 1994

Master of Philosophy, Sri Venkateswara University, Tirupati, India 1990

Master of Science (Geology), Annamalai University, Tamilnadu, India 1989

Bachelor of Science (Geology, Botany and Chemistry), Nagarjuna University, A.P., India 1987

9. Professional Appointments

Sl. No	Position held	Institution/University	Period	Nature of work
1	Professor	Adikavi Nannaya University	2014 – till date	Teaching & Research
2	Associate Professor	Adikavi Nannaya University	2008 to 2014	Teaching & Research
3	CSIR-SRA (Pool Scientists' Scheme)	Sri Venkateswara University	2005 to 2008	Research & Teaching
4	DST-Young Scientist	Sri Venkateswara University	2001 to 2005	Research & Teaching
5	UGC-Research Associate	Sri Venkateswara University	1995 to 2000	Research & Teaching

10. Experience

Teaching: PG level: 21 Yrs
UG level: 06 Yrs.

Research: Doctoral/Post Doctoral Research: 16 Yrs.

Administrative: 9 yrs

S.No	Position held	University	Period	Nature of work
1	Dean (I/c): CDC	Adikavi Nannaya University	2015 to till date	UG, PG & Professional colleges affiliations, inspections and co-ordinating with APSICHE/MHRD & UGC
2	Principal (I/C): UCST		2012 to 2015	
3	Head (I/C): Dept of Physics		2014 to 2015	
4	Head: Dept of Geology		2012 to 2015	
5	Head: Dept of Geoinformatics/Petroleum Exploration		2010 to 2012	
6	Co-ordinator: 5Y- Int-Petroleum Expl. course		2008 to 2010	
7	Co-ordinator: University Library		2010 to 2015	

- Co-ordinator, Andhra Pradesh Akademi of Sciences Rajahmundry Regional Center, ANUR, Rjy (2013 onwards)
- Research Co-coordinator, Research Cell, Adikavi Nannaya University (February 2010 to 2012)
- Co-ordinator, TePP Outreach Counselling Center, Adikavi Nannaya University (2009 to 2010)

11. Research projects handled:

- “Performance and Evaluation of Rainwater Harvesting Structures in Dosalavanka River Basin, Chittoor District, A.P., India” **Funded by Counsel of Scientific and Industrial Research, Govt. of India** (2008). Under CSIR-Pool Scientists Scheme
- “Fracture pattern modeling studies, Water Resources Information System (WRIS) development for the development and management of water resources in Ponnai river basin, A.P., India” **Under Young Scientists’ Scheme funded by Dept. of Science & Technology, Govt. of India** (2005).
- “Remote sensing and GIS Applications in Groundwater prospects mapping in parts of Rajasthan and Madya Pradesh, India” for NRSA (June, 2001)
- "A study of the impact of Industrial effluents and Trace metallic species in ground water of Chittoor Town, Chittoor district, Andhra Pradesh, India", for the **University Grants Commission Research Associateship**, at Sri Venkateswara University, Tirupati, Andhra Pradesh, India (June, 2000)
- "Ground Water potentiality and its quality suitability - using Remote Sensing and GIS", Chittoor area, Chittoor District, Andhra Pradesh, India" **Indian Institute of Remote Sensing**, Dept. of Space, Government of India, Dehradun, India (July 1998)
- “Hydrogeology and Some Environmental aspects of Niva river basin, Chittoor district, Andhra Pradesh, India”, **Ph.D. thesis** submitted to **Sri Venkateswara University**, Tirupati. (June 1993)
- “Hydrogeology of Sri Kalahasti and its Environs, Chittoor district, Andhra Pradesh, India”, **M.Phil dissertation** submitted to **Sri Venkateswara University**, Tirupati (December 1990)
- “Petrological and geochemical studies on Southern Extension of Kolar Gold Field, Maharajakadai, Tamilnadu, India”, **M.Sc dissertation** submitted to Annamalai University, Chidambaram (1989)

12. Projects on hand : Nil

13. Memberships of professional bodies

- International Association for Hydro-Environment Engineering and Research – Senior member
- Geological Society of America – USA (No. **9146022**)
- European Association of Environmental and Resource Economists (EAERE): Italy–Member (2010)
- International Association of Hydrological Sciences, UK: Member (8935)
- Indian Association of Environmental Management, India: Life membership (LM-1585)
- National Environmental Science Academy, India: Life membership (LM-1243)
- Indian Association of Hydrologists, India: Life membership, (LM-5/2002)
- Indian Water Resources Society, India: Life membership (LM-5131)
- Indian Society of Remote Sensing, India: Life membership (L-1822)
- International Association for Engineering Geology and Environment (IAEG)
- International Geoscience Education Organisation (IGEO)
- Young Earth Scientists Network (YES)

14. Professional experience:

- Exploration and management of Groundwater resources, applications of Remote sensing and GIS in geological, geomorphological, Groundwater and environmental studies. **20 years**

15. Professional training courses and workshops attended

- Leadership Training workshop on “*Resource Mobilization strategies for the public universities of AP for Vice Chancellors, Registrars and Finance Officers*” (Govt of HE, AP) Administrative Staff College of India, Hyderabad, October 27-28, 2015
- *iGEON workshop, University of Hyderabad, Hyderabad, India, 4th – 8th January, 2009*
- *Existing tools and related mapping software in geological, seismological, geomorphological, Remote sensing & GIS applications*, DST-Training course, University of Delhi, Delhi, India, December 6th–7th, 2007.
- *Groundwater flow and Mass transport modelling for assessment and management of Aquifers*, DST-Training course, Water Technology Centre, TNAU, Coimbatore, India, October 13th–30th, 2005.
- *Remote sensing in Agriculture with special emphasis on precision farming*, winter school

- Department of Space (Govt. of India), held at IARI, New Delhi, India, March 17th - April 10th 2003.
- **Field training in Sedimentary terrain of the Cuddapah basin**, Sumadhura technologies Ltd., Hyderabad, India, February 21st – 25th 2003.
 - **Shear zones -mapping and analyses**, DST-Contact course, Sambalpur University, Orissa, India, December 20th -29th 2002.
 - **Modelling in Hydrogeology**, UNESCO-IHP International training workshop, Anna University, Chennai, India, December 3rd - 7th 2001.
 - **Application of Remote sensing to Groundwater**, CARD-UNICEF Training program at Tirupati, India, October 29th – 31 October 1998.
 - **Applied Geomorphology using Remote Sensing**, A contact course / Field Workshop (Department of Science & Technology, India) at IIT (Indian Institute of Technology), Powai, Mumbai, India, January 12th - 23rd 1998.
 - **Human Resources Development and Technical aspects of Rural Sanitation and Drinking Water**, National Institute of Rural Development, (Govt. of India), Hyderabad, India, January 20th - 25th 1997.
 - **Computer Applications and Information Management**, National Institute of Rural Development (Govt. of India), Hyderabad, India, April 29th - May10th 1996.
 - **Mineral Exploration & Prospecting**, Department of Geology & Mining, Tamilnadu State, India, February 1989.

16. Seminars/conferences/ science programs conducted:

- National Seminar on "**Development and Sustainability of Earth Resources and Environment (DSERE 2011)**", 12-13 March 2011
- Conducted various events of National Earth day, National Science Day, Earth Science Olympiad 2012 and 2016
- Awareness programs to students, scientists, Prisoners and farmers under Technopreneur Promotion Programme (TePP) at CENTRAL JAIL, CIEF-KKD, ANUR-RJY, 2009 – 2012.

17. List of Publications

- G. Tamma Rao, Y. Srinivasa Rao, Ratnakar Dhakate, VVS Gurunadha Rao, J. Mahesh M.D. Prasad and L.Surinaidu (2014): Hydrogeochemical assessment of groundwater in alluvial aquifer region, Jalandhar District, Punjab, India, **Environmental Earth Sciences Journal**, Springer - DOI: 10.1007/s12665-014-3973-3 (Dec 2014) (IF: 1.572)
- B.Sekhar, Sk. Muntaz Begum, Y. Srinivasa Rao, Tirumala Rao, MC Rao, RVSSNR Kumar (2015): Applications of Transition metal ions doped PVA-capped CdSe Nanopolymers, International Conference on Science and Engineering of Materials for future needs (ICSEMF-2015), ISBN 978-1-329-77555-8.
- G. Tamma Rao, V. V. S. Gurunadha Rao, Y. Srinivasa Rao, G. Ramesh (2013): Study of hydrogeochemical processes of the groundwater in Ghatprabha river sub-basin, Bagalkot District, Karnataka, India, **Arbian Journal of Geosciences**, DOI:10.1007/s12517-012-0535-4, Springer verlag, Vol. 6(7): 2447-2459 (IF:1.224)
- Y. Srinivasa Rao (2011): Editor of this issue: Development and Sustainability of Earth resources and Environment (DSERE-2011), **International Journal of Earth Sciences and Engineering**, Vol. 4 (8) SPL, Dec. 2011 ISSN 0974-5904. (IF: 0.042)
- Y. Srinivasa Rao (2008) "Identification of Influencing Factors for Groundwater Quality Variation-Using Multivariate Analysis" **Journal of Environmental Geology, USA, Vol. 55(1): 9-12**, DOI:10.1007/s00254-007-0958-5, (IF. 1.026)
- Y. Srinivasa Rao (2007): "Groundwater quality suitable zones identification – application of GIS, Chittoor area, A.P., India" **Journal of Environmental Geology, USA, Vol 53 (1): 200-210**. (IF. 1.026)
- Y. Srinivasa Rao, D.K. Jugran (2003): "Delineation of groundwater potential zones and Suitable zones of Groundwater quality for domestic purpose -Using Remote Sensing and GIS", **Hydrological Sciences Journal**, UK, Vol. 48(5):821-834. (IF: 1.447)

- Y. Srinivasa Rao, T.V. Krishna Reddy, P.T. Nayudu (2000): "Groundwater targeting in Hard rock terrain using fracture pattern modeling through Remote Sensing Application", **Hydrogeology Journal**, USA, Vol. 8 (5), 494-502. (IF: 1.326)
- Y. Srinivasa Rao, T.V. Krishna Reddy, P.T. Nayudu (1997): "Hydrogeomorphological studies in Niva river basin, Chittoor District, Andhra Pradesh, India", **Journal of the Indian Society of Remote Sensing (Photonirvachak)** India, Vol.25 (3), 187-194. (IF: 0.08)
- Y. Srinivasa Rao, T.V. Krishna Reddy, P.T. Nayudu (1997): "Groundwater quality in the Niva river basin, Chittoor District, Andhra Pradesh, India", **Journal of Environmental Geology**, USA, Vol.32 (1), 56-63. (IF: 1.026)
- Y. Srinivasa Rao, T.V. Krishna Reddy, P.T. Nayudu (1995): "Morphometric Analysis of Niva river basin, Chittoor District, Andhra Pradesh", **Journal of National Geographer**, Ahmedabad, India, Vol.XXX(1), 15-24.
- T. V. K.Reddy, Y.Srinivasa Rao, P.T.Nayudu (1994): "Water quality Indices of Niva river, Chittoor District, Andhra Pradesh, India", **Journal of Encology**, India, Vol.9 (5), 4-8.
- T. V.K.Reddy, Y.Srinivasa Rao, P.T.Nayudu (1993): "Integrated Deformation Model to locate Ground Water potential zones using Remote Sensing studies in the Niva River basin, Chittoor District, Andhra Pradesh", **Memoirs of the XXIVth Congress of International Association of Hydrogeologists**, Oslo, Norway, 655-661.
- Y. Srinivasa Rao, T.V. Krishna Reddy, P.T. Nayudu (1993): "Impact of Industrial effluents on Ground water - A case study around Chittoor Town, Chittoor District, Andhra Pradesh", **Fresenius Environmental Bulletin**, Switzerland", Vol.2 (4), 179-184. (IF: 0.716)

17. Papers published in Proceedings

- B. Sekhar, Sk. Muntaz Begum, **Y. Srinivasa Rao**, Tirumala Rao, MCRao, RVSSNR Kumar (2015): Applications of Transition metal ions doped PVA-capped CdSe Nanopolymers, International Conference on Science and Engineering of Materials for future needs (ICSEMF-2015), ISBN 978-1-329-77555-8 (e-book).
- **Y. Srinivasa Rao** (2004), AV Chandrasekhar, YP Reddy, PS Rao, RVSSNR Kumar and J Yamanchi (2004): Spectral studies of natural incrustation material grown in water pipe lines, Rayalaseema region, A.P., India”, Asia-Pacific EPR/ESR symposium (APES `04), IISc, Bangalore, India, November 22-25, 2004
- **Y. Srinivasa Rao** (2003): “An Integrated Approach Using Remote Sensing application For Identification and Management of Groundwater Potential Zones, Gargeya Vanka Basin, Chittoor District, A.P.”, National symposium of ISPRS WG VII/3 workshop on Integrated Monitoring systems, Thiruvananthapuram, India, during 9-12 December, 2003.
- **Y. Srinivasa Rao** (2003): "Analysis of fractures for groundwater identification & its management: an integrated approach using RS & GIS" Proceedings of international conference on "Groundwater in fractured rocks" sept 15-19, 2003, Prague, Czech Republic, Eds: Jioe Krasnu, Zbynak Hrkal & Jioe Bruthans, UNESCO series on groundwater No. 7 (2003)-ISBN-92-9220-002-X, 440PP.
- **Y. Srinivasa Rao**, D. K. Jugran (2001): "Application of GIS in delineation of Ground water potential zone in Chittoor Area, A.P., India, published in **ISRS-2001** Symposium proceedings held at Ahmedabad, India, during 11th–13th December, 2001.

18. Papers presented/Attended at Seminars/conferences:

- National seminar “Earth A Bounty Planet”, held at Sri Venkateswara University, Tirupati, during 13th-14th March, 2009.
- GIS Training program on Introduction to ArcGIS-I, during Jan23-24, 2009
- International conference “IISc Centenary conference” held at IISc, Bangalore, during 13th–16th December, 2008
- AP Science Congress “Emerging trends in Science & Technology”, held at Osmania University, Hyderabad, during 14th-16th November, 2008,

- National seminar on “Advances in Hydrosociences” 10th – 11th March, 2008, Sri Venkateswara University, Tirupati
- International workshop on “Weather modification & cloud seeding technologies for Rain water enhancement 2005” pre-workshop, 7th January 2005, JNT University, Hyderabad, India.
- Asia-Pacific EPR/ESR symposium (APES `04), Indian Institute of Science, Bangalore, India, November 22-25, 2004
- National symposium of ISPRS WG VII/3 workshop on Integrated Monitoring systems, Thiruvananthapuram, India, during 9-12 December, 2003.
- International conference on "Groundwater in fractured Rocks" September 15-19, 2003, Prague, Czech Republic.
- ISPRS TC-VII Symposium "Resource and Environmental Monitoring" held at Hyderabad, India during 3-6th December 2002.
- National symposium on, "Advances in Remote sensing technology with special emphasis on High Resolution imagery (ISRS-2001 symposium), held at Ahmedabad, India, during 11th -13th December, 2001.
- National workshop on, "Water harvesting with special reference to Artificial recharge", held at Hyderabad, India, during 9th - 10th October, 2001.
- National symposium on, "Recent Developments in environmental Geosciences", held at Tirupati, India, during 9th - 10th October 1995.

19. Professional recognition, awards and fellowships received

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| • Fellow of AP Akademi of Sciences, Hyderabad | 2014 |
| • Associate Fellow of AP Akademy of Sciences, Hyderabad | 2010 |
| • Senior Foreign Researcher Award from Politecnico di Torino, Italy | 2008 |
| • Associate Professor , Arbaminch University, Ethiopia, Received appointment | 2004 |
| • CSIR-SRA (Pool Scientist) , Govt. of India, New Delhi | 2004 |
| • Commonwealth Science Counsel's Travel Award | 2003 |
| • DST-Young Scientist's Project award , Govt. of India | 2001 |
| • UGC-Research Associateship , Govt. of India | 1995 |
| • University Merit Fellowship , Sri Venkateswara University, Tirupati, India | 1992 |

20. Countries visited on academic activities: Nil