

Babu Rao Gudipudi M.Sc, M.Phil., Ph.D (M.Tech)

Current Address

Dr. G. Babu Rao,
House No. 32-5-310,
5th lane Valluri Vari Thota, Donka Raod,
Beside Brudavana Kshetram,
Guntur-522002, Andhra Pradesh, India.
E-mail: gudipudi.br@gmail.com
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CAREER OBJECTIVE:

Competent Individual seeking challenging career in the domain of teaching to contribute my best as a team member to the institution with the skills gained from research knowledge.

EDUCATION PROFILE:

- Awarded **Ph.D.** Degree from Acharya Nagarjuna University in the year 2018 with the thesis entitled “Geochemistry and Origin of Fluoride Enriched Groundwater with special reference to Fluorosis Hazards in a part of Semi-Arid Crystalline Aquifers of Guntur district, Andhra Pradesh, India”.
- Awarded **M.Phil.** Degree from Acharya Nagarjuna University with “**A**” grade in 2011. With dissertation entitled ‘Groundwater Quality studies of Erravagu sub-basin, Guntur District, Andhra Pradesh, India’
- M.Sc. in **Geology** during 2006-2008 in Acharya Nagarjuna University Campus, GUNTUR with an aggregate of **78.00%**.
- B.Sc. in **Geology, Physics and Chemistry** during 2003-2006 in Hindu College, GUNTUR with an aggregate of **65.00%**.
- SSC in St. Ignatius English Medium School, Guntur with an aggregate of **81.16%**
- M.Tech Remote Sensing (Pursuing- Final Year) from the Department of Geo-Engineering in the Andhra University campus college, Visakhapatnam.

TECHNICAL SKILLS:

- MS-Office
- C language

- Autocad 2008
- Photogrammetry
- Geographical Information System (GIS)
- Aquachem. 10.0

ACADEMIC ACHIEVEMENTS:

- Stood in 2nd Position at Graduation level and secured a Medal.
- Ratified as Assistant Professor in geology by JNTU Kakinada chapter, IV phase in the year of 2012.
- Ratified as Assistant Professor in geology by JNTU Kakinada chapter in 2016.

EDITORIAL BOARD/ REVIEWER MEMBERMEMBER:

- Editorial Board Member in International Journal of Civil Engineering and Technology
- Editorial Board Member in Journal of Civil Engineering and Technology
- Editorial Board Member in Journal of Civil, Construction and Environmental Engineering
- Editorial Board Member in International Journal of Research in Advanced Engineering and Technology
- Reviewer in International Society for Research and Development in technology.
- Reviewer in International Journal of Creative Research Thoughts.
- Reviewer in Advances in Science, Technology and Engineering Systems Journal
- Reviewer in Common Ground Research Networks, Champaign, USA
- Reviewer in Journal of Emerging Technologies and Innovative Research
- Reviewer in International Journal of Engineering Research and Technology
- International Scientific Committee of Geological and Environmental Engineering in the World Academy of Science, Engineering and Technology.
- Advisory committee member for International Conference on Advances in Science, Engineering and Technology-2019 (ICASET-2019) to be held on 19th and 20th

December, 2019 at K.S.R.M College of Engineering (Autonomous), Kadapa, Andhra Pradesh

- International Committee Member for ICAMG 2020: 14. International Conference on Applied Mineralogy and Geochemistry held in February 17-18, 2020 in Male, Maldives.
- Core committee member in International Conference on “ Advancements and Innovations in Civil Engineering (IC-ACE-2021)” virtual conference on 18th & 20th march, 2021 organised by K.D.K. College of Engineering, Nagpur and IFERP in association with American Society of Civil Engineers-Indian Section Western Region, Indian Society for Technical Education, New Delhi, The Institute of Engineers (India) Nagpur Local Centre, Indian Concrete Institute, Nagpur chapter, and Indian water works Association, Nagpur center.
- Editorial Board Member in American Journal of Earth and Environmental Sciences.
- Scientific Committee member at International Conference on Civil Engineering, Architecture and Sustainable Infrastructure (ICCEASI-2021) organized by Babu Banarasi Das University, Lucknow held on 23rd & 24th September, 2021.

FIELD EXPERIENCE:

- Study of the Eastern Ghat belt (in Krishna & Guntur Dist. of Andhra Pradesh) at Post Graduation Level in 2007.
- Identification of sandwich mineral at Bapatla Coast and also a visit to know Galaxy Granite in Chimakurthy of Andhra Pradesh in 2007.
- Identification and study of groundwater quality and chemistry in and around Guntur District, Andhra Pradesh.
- Identification of people effected from different stages of fluorosis in rural areas of Guntur District.

MEMBERSHIPS:

- Life Member in Indian Society of Remote Sensing (No. L-5247).
- Fellow member in the Society of Innovative Educationalist & Scientific Research Professional (No. LM17181902).
- Member in International Association of Engineers (No.231468).
- Member in ISR Leaders Club (ISRL0000000402).
- Member in i-Explore International Research Journal Consortium (No. 14344)
- Member in International Society for Photogrammetry and Remote Sensing (ISPRS)
- Student Member in Institute For Engineering Research and Publication (IFERP: No. PMIN50832769)

RESEARCH PUBLICATIONS:

- Subba Rao, N., Subrahmanyam, A., Ravi Kumar, S., Srinivasulu, N., **Babu Rao, G.**, Surya Rao, P., and Venkatram Reddy, G., 2012, Geochemistry and quality of groundwater of Gummanampadu sub-basin, Guntur District, Andhra Pradesh, India, *Environmental Earth Sciences*, v. 67, issue 5, p. 1451-1471.
- Subba Rao, N., Subrahmanyam, A., and **Babu Rao, G.**, 2012, Fluoride-bearing groundwater in Gummanampadu Sub-basin, Guntur District, Andhra Pradesh, India. *Environmental Earth Sciences*, v.70, issue 2, p. 575-586.
- Nageswara Rao, P, V., **Babu Rao, G.**, Subrahmanyam, A., Subba Rao, N., and John Paul, K., 2015, Chemistry of groundwater in Erravagu Sub-basin, Guntur District, Andhra Pradesh, India, *Journal of Applied Geochemistry*, v.17, issue.1, p. 56-65.
- **Babu Rao, G.**, and Nageswara Rao, P, V., 2017, Geochemistry of Fluoride bearing Groundwater from Nuzendla Mandal, Guntur District, Andhra Pradesh, India *International Journal of Earth Sciences and Engineering*, v. 10, issue.3, p. 518-527.
- **Babu Rao, Gudipudi.**, and Sai Ramya, B., 2018, Suitability of Groundwater for irrigation purpose in the Ipur and Rompicherla Mandals of the Guntur District,

Andhra Pradesh. *International Journal of Creative Research Thoughts*, v. 6, issue 1, p.509-514.

- **Babu Rao, G.**, Rama Raju, A.V., and Kanakamabara Rao, S., 2018, Defluoridation of groundwater's of Darsi mandal, Prakasam District, Andhra Pradesh by using natural adsorbents. *International Journal of Civil Engineering and Technology*, v.9, issue 4, p. 993-999.
- **Babu Rao, G.**, 2018, Seasonal variations in the quality and Chemistry of Groundwater in Erravagu sub-basin, Guntur District, Andhra Pradesh, *International Journal of Innovative research in technology*, v.5, issue 1, p.941-946.
- **Babu Rao, G.**, and S.Kanakambara Rao, 2018, Identification of groundwater feasible sites in Erravagu sub-basin of Guntur District, Andhra Pradesh using geophysical and geospatial methods, *International Journal of Pure and Applied Mathematics- Online*, v. 120 No. 6, p. 4283-4292.
- Anil Kumar, K., and **Babu Rao, G.**, 2018, Demarcation of groundwater recharge zones in Puducherry using electrical resistivity method, *International Journal of Pure and Applied Mathematics- Online*, v.120 No. 6, p.4347-4366.
- **Babu Rao Gudipudi**, Shaik Asif, Batchu Sai Kumar and Vemula Rajesh. 2019, Defluoridation of water with Environmental waste materials. *International Journal of Civil Engineering and Technology*, v. 10, issue 01, p.2446-2452.
- **Babu Rao Gudipudi**, M. Srinivasa Rao , K. Dinesh Kumar. 2019, Application of Water Quality Index (WQI) for Assessment of Groundwater Quality in Narasaraopet Mandal of Guntur District, Andhra Pradesh, India. *International Journal of Engineering Research & Technology*, v. 8, issue 6, p.880-883.
- **Babu Rao Gudipudi** and A.A.Jaya Raj, 2020, Removal of fluoride in water by using low cost adsorbent, *International Journal of Multidisciplinary Educational Research*, v. 9, issue 1(4), p. 113-117
- K.Naga Raju and **Babu Rao Gudipudi** 2020, Soil Chemistry of Erravagu Sub-basin of Guntur District, Andhra Pradesh, *Test Engineering and Management*, January -February2020, Volume 82, Page Number: 4492 -4498

- **Babu Rao Gudipudi**, B.Mohan Chand and D.Amarnadh Reddy **2020**, Environmental organic waste materials as Defluoridising agents, Test Engineering and Management, March - April 2020, Volume 83, Page No. 13567 – 13575, ISSN: 0193-4120.
- **Babu Rao Gudipudi**, Naga Raju Kola, M.Eshwar Reddy and K.S. N. Malleswara Rao 2020, Effect of different pH waters on Compressive Strength & Tensile Strength of Concrete. Solid State Technology, Volume 63, Issue 1s, Page No. 1719- 1724.
- **Babu Rao Gudipudi**, 2021, Seasonal Variation in the Groundwater Quality & Irrigation Suitability of Water in a Rural Area of Andhra Pradesh. International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST 2K21) Organized By Department of Electronics & Communication Engineering Ramachandra College of Engineering, Eluru, AP in Association with Institute For Engineering Research and Publication (IFERP), Page No. 56 – 62, ISBN : 9789390214204 (Conference Preceeding).
- Thanigaivelan, M.Rama Rao, **Babu Rao Gudipudi**, G.Manikandaraja and R.Suresh 2021, Strategic Implementation of pushing powdered fertilizer and pesticide spreader. Design Engineering, Issue 7, Page No. 5619- 5629.

BOOKS/ CHAPTERS IN BOOKS

- Fluoride Geochemistry and Health hazards- A Case study (Accepted for publication)- IntechOpen publishers, United Kingdom.

CONFERENCES/ SEMINARS:

- Attended a National seminar on “Earth Resources- Role of Geologist in Ameliorating the Environment” on 29-30th March 2010 in S.V. University.
- Attended a National work shop on ICT Applications in Distance Education on 26-27th June 2010 in Acharya Nagarjuna University, Guntur.

- Presented a paper in National Symposium “Coastal Natural Resources: Scientific Strategies for Development, Conservation and Management (NSCNR)” held on 9th and 10th of December, 2013 in Andhra University, Visakhapatnam.
- Presented a paper in A.P. Science Congress held during 14-16 Nov. 2013 in University of Hyderabad.
- Presented two papers in Two Day National Conference on Water, Environment & Society (NCES-2014) held on 30th and 31st July 2014 in JNTUH, Kukatapally, Hyderabad.
- Presented one full length paper (Seasonal Variations in the quality and chemistry of groundwater in Erravagu sub-basin, Guntur District, Andhra Pradesh & 432) in Two Day National Conference on Water, Environment & Society (NCES-2015) held on 30th and 31st July 2015 in JNTUH, Kukatapally, Hyderabad. (ISBN-978-93-83635-87-0)
- Attended a national workshop on Multiphase Approaches on Assessment and Sustainable Management of Stressed Coastal Aquifers” (MAPCOAST-2016) held on 18th to 22nd May, 2016 in Pondicherry Central University.
- Attended a national seminar on the Diversity of Culture & Social Environment on 19th November 2017 at Bhubaneswar, India.
- Participated in a webinar on “Environment Pollution” in association with NIT Chandigarh from 19th to 23rd March, 2018 at Narasaraopeta Engineering College, Narasaraopet.
- Participated in Indo-US Bilateral workshop on “Coastal Groundwater Dynamics Combining Future climatic change and Human development (CLIMWAT-2018) from 7th to 9th June, 2018 held at Pondicherry Central University.
- Presented and published two papers in International Conference on Mobile Cloud Computing Communication and Engineering on 22nd and 23rd June, 2018 held at Narsaraopeta Engineering College, Narasaraopet.
- Participated in workshop on Outcome Based Education organized by NITTTR and NEC from 25th to 29th June, 2018 at Narasaraopeta Engineering College.

- Participated in National workshop on “Geospatial Technology for Development of Andhra Pradesh on 20th February, 2019 organised by Department of Geology, Acharya Nagarjuna University and A.P.Space Applications Centre (APSAC), ITE & C Department, Govt. of A.P.
- Participated in a two day National seminar on Geospatial technology for Environmental sustainability at Indian Scenario on 12th- 13th March, 2019 organised by Department of Civil Engineering, KHIT and sponsored by SERB, DST, Govt. of India, New Delhi.
- Participated in one week Short term Training Programme through ICT mode on “NBA Accreditation” from 22nd April to 26th April, 2019 organised by Narasaraopeta Engineering College in association with National Institute of Technical Teachers Training and Research, Kolkata.
- Participated and presented a paper entitled “Soil Chemistry of Erravagu Sub-basin of Guntur District, Andhra Pradesh” in International Conference on Science Engineering and Technology (ICSET-2K19) held at AIMS- Mummdivaram, A.P. on 26th and 27th July 2019.
- Participated in one day national level seminar on “Hydraulics and Hydrology” organised by Andhra Pradesh State Skill Development Corporation on 21st October, 2019 at Andhra Loyola Institute of Engineering and Technology, Vijayawada.
- Participated and presented one paper at A.P.Science Congress-2019 organised by Andhra Pradesh Akademi of Sciences, Amaravati and Dr.B.R.Ambedkar University, Srikakulam at Ambedkar University, Srikakulam from 28th to 30th November, 2019.
- Participated in Faculty Development Programme on “NBA Process” organized by Narasaraopeta Engineering College, from 8th May, 2020 to 10th May, 2020.
- Participated in Faculty Development Programme on “RECENT ADVANCES IN CIVIL ENGINEERING” organised by department of civil engineering, Anantha Lakshmi Institute of Technology, Ananathapuram from 21.5.2020 to 23.5.2020.

- Participated in a Webinar on “ECO FRIENDLY BUILDING TECHNOLOGIES AND MATERIALS: NEED OF THE HOUR”, organized by Department of Civil Engineering, Lakireddy Balireddy College of Engineering, Krishna District.through online mode on 31-05-2020.
- Participated in one week online Faculty development program on “Emerging Technologies in Civil Engineering” organised by Department of Civil Engineering, JB Institute of Engineering & Technology, Hyderabad from 1st June to 6th June, 2020.
- Participated in three day online workshop on “Current Development in Civil Engineering: Need for Sustainable Designs” organised by department of Civil Engineering, Lingayas Institute of Management & Technology held during 8.6.2020- 10.6.2020.
- Participated in two days training programme on “ Groundwater Scenario & Management in Coastal Andhra Pradesh” jointly organised by the Department of Geosciences, Dr.B.R.Ambedkar University, Srikakulam & the Central Groundwater Board, Southern Region, Hyderabad, on 24 & 25th August, 2020.
- Participated in one day national level webinar on “National Educational Policy 2020” organised by Sri Venkateswara University College of Engineering, Tirupati on 23rd January, 2021.
- Participated in International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST- 2K21) conference organized by Department of Electronics & Communication Engineering, Ramachandra College of Engineering, Eluru, Andhra Pradesh held on 09th & 10th April 2021.
- Participated in one-week online Faculty Development Program on “SUSTAINABLE AND PRECAST TECHNOLOGIES” organized by Department of Civil Engineering, JBIET from 19th-24th April 2021.
- Participated in one day National Webinar on “National Educational Policy -2020, Implementing and Implications in Higher Education” organized by Internal Quality

Assurance Cell (IQAC) AND Institution Innovation Cell (IIC), Narasaraopet Engineering College (Autonomous) Narasaraopet on 17th April 2021.

- Participated in one-week online Faculty Development Program on “Sustainable and pre-cast Technologies” organised by Department of Civil Engineering, JBIET from 19th to 24th April, 2021.
- Participated in an Orientation Session on Innovation & Entrepreneurship organized by Institution Innovation Council (IIC 3.0) of NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS), NARASARAOPET on 23rd June 2021.
- SCIENTIFIC COMMITTEE MEMBER at the “International Conference on Technological Advancement in Science, Engineering, Management & Pharmaceutics (ICTASEMP-2021)” Organized by Department of Electronics and Communication Engineering, Holy Mary Institute of Technology & Science (Autonomous), Hyderabad, Telangana held on 15th & 16th July 2021.
- SESSION CHAIR in the 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021) organized by Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere, Karnataka, India held on 15th & 16th July 2021.
- SCIENTIFIC COMMITTEE MEMBER at the International Conference on Advances in Engineering, Science and Management (ICAESM-2021) held on 28th - 29th November 2021 at Bangalore, India organised by Institute For Engineering Research and Publication (IFERP).

ORGANIZED PROGRAMMES:

- Acted as local coordinator for Environmental Pollution programme organized by Narasaraopeta Engineering College in association with NITTTR-Chandigarh from 19th – 23rd March, 2018.

- Acted as local coordinator for Sustainable Environmental Management Programme organized by Narasaraopeta Engineering College in association with NITTTR-Chandigarh from 28th January– 1st February, 2019.
- Organized a one day workshop on “Importance of Groundwater status in the present society” on 8.1.2019 at Civil Engineering Department, NEC.
- Acted as Departmental Co-ordinator for the Jubilation 2K19 Techno-cultural Fest held in Narasaraopeta Engineering College from 8th and 9th March, 2019.
- Acted as Departmental Co-ordinator for the Jubilation 2K20 Techno-cultural Fest held in Narasaraopeta Engineering College from 14th and 15th February, 2020.
- Acted as session Chair in International Conference on Science Engineering and Technology (ICSET-2K19) held at AIMS- Mummidivaram, A.P. on 26th and 27th July 2019.
- Acted as Organizing Committee member in "International Conference on Advancements and Innovations in Civil Engineering" ICAICE 2021 organised by the Department of Civil Engineering, K.D.K. College of Engineering, Nagpur on 18th to 20th march, 2021.
- Acted as co-converner for the Virtual International Conference on “Emerging Trends in Civil Engineering (NEC-ICETCE-2K21) on 6th & 7th August, 2021.

AWARDS:

- Received the esteemed National award “**Bharat Vikas Award**” from the Institute of Self Reliance, 2017, Bhubaneswar, India.
- Selected for the prestigious International Award “**Academic Non Circuit Faculty**” from South Indian Association of Scientists Developers and Faculties (SIAA), 2019, Hyderabad, Telagana, India.
- Received prestigious “**Best Young Scientist Award**” from Institute of Technical and Scientific Research (ITSR) Foundation, 2019- Jaipur, Rajasthan India.
- Received “**International Distinguished Educators Award 2020 (IDEA-2020)**” from Green ThinkerZ Society, Punjab, India.

- Received **BEST PAPER** award in International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST- 2K21) conference organized by Department of Electronics & Communication Engineering, Ramachandra College of Engineering, Eluru, Andhra Pradesh held on 09th & 10th April 2021.

GUIDANCE:

- Guided 9 Project batch students for B.Tech projects.

WORKING EXPERIENCE :

- Worked as Junior G.I.S. Engineer in steasalit Infotech Limited Hyderabad for a period of 1 year.

TEACHING EXPERIENCE:

- Worked as guest faculty in Department of Geology, Hindu College and Nalanda Engineering College, Sattenapalli, Guntur.
- Worked as Assistant Professor in the Department of civil engineering in KKR & KSR Institute of Technology and Sciences, Vinjampadu for a period of 3 years (13-6-2011 to 30-6-2014).
- Worked as Assistant professor in the Department of civil Engineering in Chalapathi Institute of Technology, Mothadaka from 2 years (01.06.2015 to 30.05.2017).
- Worked as Assistant Professor in the Department of civil Engineering in Narsaraopeta Engineering College from June 2017 to December 2018.
- Working as Associate Professor in the Department of civil Engineering in Narsaraopeta Engineering College December 2018 to till date.

RESPONSIBILITIES HELD IN THE COLLEGE OTHER THAN TEACHING:

- Department Research Coordinator
- NBA Department Coordinator
- News Letter Incharge
- IQAC Committee Member

- Anti-disciplinary Department Coordinator
- Department Sports Committee Incharge
- Project Incharge for U.G. Students
- I/C Head of the Department

DEALING SUBJECTS/ AREAS OF SPECIALIZATION:

Engineering Geology	Construction Materials and Management
Environmental Engineering	Waste Water Engineering
Remote sensing & GIS	Water Resource Engineering
Groundwater Development and Management	Geographic Information System
Principles of water quality management	Watershed Management

PERSONAL DETAILS:

Name	: Babu Rao Gudipudi
Father's Name	: G.V. Subba Rao
Date of Birth	: 25-07-1986
Sex	: Male
Marital Status	: Married
Nationality	: Indian
Languages known	: English, Telugu, Hindi
Permanent Address	: D.No:32-5-310, 5 th Lane, V. V. Thota, Guntur, Andhra Pradesh-522002 Mobile: 9885812796 E-mail: gudipudi.br@gmail.com

Declaration:

I hereby solemnly affirm that all the details provided above are true to the best of my knowledge and belief and that at all times, I shall carry myself in a manner that lends dignity to the organization and worthy enough of the person.

Place: Guntur

Date: 15-1-2022

(Dr. G. BABU RAO)