

## Faculty Profile - VTU FACULTY ID: 4GMCS0003538

### Dr. S L Arunkumar

*Assistant Professor and Head*

Department of Civil Engineering,  
GM Institute of Technology, Davanagere



**Vision: To produce Civil Engineers with the necessary knowledge, skills and attitudes, who can be entrusted by the society to lead a sustainable world with enhanced quality of life and to become the fountain heads of new ideas and innovation.**

### Educational Qualifications

|   |                           |
|---|---------------------------|
| 1 | Ph.D in Applied Geology   |
| 2 | M. Sc. In Applied Geology |
| 3 | B. Sc (CBG)               |

### Professional Details

Total experience: 21 years (Teaching: 21, Industry:1)

|   |    |
|---|----|
| PG Center, Kuvempu University, Shankaraghatta | 15 |
| GMIT, Davanagere                              | 06 |

### Academic / Research Publications

|   |  |                       |
|---|--|-----------------------|
| 1 | <ol style="list-style-type: none"><li>1. <b>S.L. Arunkumar and G. Chandrakantha.,</b> Delineation of groundwater potential zones in Sagar river basin of Shimoga district using Remote sensing and GIS. <b>Kuvempu University. Science. Jour.Vol. 3 No.1, June 2006, pp. 125-136.</b></li><li>2. <b>S.L. Arunkumar and G. Chandrakantha.,</b>Geographic Information System and Groundwater quality mapping in Varada river basin, Sagar taluk, Shivamogga District, Karnataka. <b>Indian J. Environmental Protection, Vol. 29, No. 5, May 2009, pp. 414-429.</b></li></ol> | National Journal      |
|   | <ol style="list-style-type: none"><li>1. <b>S.L.Arunkumar and G.Chandrakantha.,</b> Landfill site selection by using Geographic Information System – <b>A case study of Shivamogga Town, Shivamogga District, Karnataka State, India. International Journal of Earth Sciences and Engineering (IJEE), ISSN 0974 – 5904, Vol. 03, No. 04, August 2010, pp 487-496.</b></li></ol>  | International Journal |

|  |  |  |
|--|--|--|
|  | <ol style="list-style-type: none"> <li>2. Nafeesa Begum., J Narayana and <b>Arunkumar S.L.</b>,<b>Land use /Land cover changes in the catchments of water bodies in and around Davangere city, Karnataka.</b><i>International Journal of Ecology and Environmental Sciences</i> 36(4), 2010, pp 277-280.</li> <li>3. <b>S.L.Arunkumar</b>, and G. Chandrakantha.,<b>Groundwater quality mapping using Geographic information system in Varada river basin, Shivamogga District, Karnataka, India,</b><i>International Journal of Earth Sciences and Engineering (IJEE)</i>, ISSN 0974 – 5904, Vol. 03, Spl.No.05, September 2010, pp 95 – 112.</li> <li>4. <b>S.L. Arunkumar</b>, L. AshaKiran and G. Chandrakantha., <b>Hydrochemical analysis and evaluation of groundwater quality in Varada river basin. International Journal of Earth Sciences and Engineering (IJEE)</b>, ISSN 0974 – 5904, Vol.06.No.06, December 2011, pp 986-994.</li> <li>5. <b>S.L. Arunkumar</b>, Praveen Joshi and G. Chandrakantha., <b>Application of Geographic Information System in Landfill Site Selection – A Case Study of Bhadravathi Town. International Journal of Earth Sciences and Engineering (IJEE)</b>, ISSN 0974 – 5904, Vol.06.No.03, June 2013, pp 502 - 510.</li> <li>6. <b>S.L. Arunkumar</b>, G. Chandrakantha and Sandhya S K.,<b>Deciphering Groundwater Potential Zones in Dandavathi river Basin of Sorab Taluk, Shivamogga District Using Remote Sensing and GIS.</b><i>International Journal of Engineering Research &amp; Technology (IJERT)</i>, Vol. 3 Issue 8, August – 2014, ISSN: 2278-0181, pp 280 - 291.</li> </ol> |  |
|  |  |  |

#### Workshops / Seminars / Conference attended

|   |  |
|---|--|
| 1 | <ol style="list-style-type: none"> <li>1. <b>S.L. Arunkumar</b>, G. Chandrakantha, K.N. Chandrashekarappa and Syed Ashfaq Ahmed.,<b>Impact of Urbanization on Agricultural and forest land of Shimoga City Using Remote sensing and GIS VI Con. MSI and Int. Sem. on Earth Resources Management, Kuvempu University, AbstVol, 28<sup>th</sup> –30<sup>th</sup> Jan 2004.</b></li> <li>2. <b>S.L. Arunkumar</b>, G. Chandrakantha and K.S. Anantha Murthy., <b>Land Cover Change</b></li> </ol> |
|---|--|

Analysis of Varada Micro Watershed Using Remote Sensing & GIS Techniques, VI Con. MSI and Int. Sem on Earth Resources Management, Kuvempu University, AbstrVol, 28<sup>th</sup> –30<sup>th</sup> Jan 2004.

3. **S.L. Arunkumar**, and G. Chandrakantha., Delineation of Groundwater potential zones of Varada river basin, Shimoga district, Karnataka, Nat. seminar on “Recent Developments and Opportunities in Exploration Geology and Geoinformatics” (ExploreG<sup>2</sup> 2007) Periyar University Salem. 7<sup>th</sup> -9<sup>th</sup> March 2007.
4. **S.L. Arunkumar**, and G. Chandrakantha., Delineation of Groundwater potential zones of Varada river basin, Shimoga district, Karnataka, Nat. seminar on Changing Geohydrological Scenario in Hard rock terrains of India., Geol. Soc. of India, Bangalore, 29<sup>th</sup> - 30<sup>th</sup> April 2007.
5. **S.L. Arunkumar**, and G. Chandrakantha., **Land use changes in Sorabataluk, Shimoga district – Karnataka, an analysis with the application of GIS and Remote sensing.** 3<sup>rd</sup> Kannada Vignana Sammelana 15<sup>th</sup> -17<sup>th</sup> September 2007 at Kuvempu University, Jnanasahyadri, Shankaraghatta – 577 451. Organized by Swadeshi Vijnana Andolana – Karnataka. (Kannada and English Version).
6. BasavarajSimpi, Sanjeev Murthy K.N., Anantha Murthy K.S., M.Lingadevaru, and **S.L.Arunkumar**, **Water quality status in Tanks of Tunga left bank command, Karnataka, India**, Int. Sem. “Geoexploration and Metal Mining: Vision 2025” 15<sup>th</sup> Convention of Indian Geological Congress on September 27<sup>th</sup>-29<sup>th</sup> 2007 organized by Dept. of studies in Geology, Karnatak University Dharwad.- 580 003. Soveniour& Paper abstracts Vol., p.78.
7. **S.L. Arunkumar**, G. Chandrakantha and S.K. Sandhya., **Delineation of groundwater potential zones in Dandavathi river basin of SorabTaluk, Shimoga District, using Remote sensing and GIS.**, Nat. Sem in Advances in hydro-sciences, Department of Geology, Venkateswara University, Tirupati – 517 502, AbstrVol, 10<sup>th</sup> – 11<sup>th</sup> Mar 2008.
8. **S.L. Arunkumar** and G. Chandrakantha., **Groundwater quality mapping using Geographic Information System in Varada river basin, Shivamogga District, Karnataka, India.** Two day National workshop on “Present and Future trends in Marine Geology and Geophysics” Ocean and Atmospheric sciences and technology cell, Mangalore University, Mangalgangothri, Mangalore, – 574199, AbstrVol, 21<sup>st</sup> – 22<sup>nd</sup> April 2009.
9. **S.L.Arunkumar**, **G.Chandrakantha** and **Praveen Joshi.**,. **Site selection of municipal solid waste landfill using analytical hierarchy process method in Geographical Information system in Bhadravathi town.** “National Conference on Global Climatic Change: perspectives and challenges (NCGCC-2011), Department of PG Studies and

Research in Environmental Science Kuvempu University, AbstrVol 23<sup>rd</sup>& 24<sup>th</sup> March, 2011.

1. Participated in National Level One Week Training workshop on **“Advanced Geospatial Mapping Techniques for Resource Planning and Management” (AGMTRPM – 2014) using Intergraph Geospatial Technology (TEIP – II Funded) on 06<sup>th</sup> and 11<sup>st</sup> January 2014.** Organised by Department of Civil Engineering, NMAM Institute of Technology (Autonomous), NITTE – 574 110, Karkala, Udupi District, Karnataka.
2. Participated in TEQIP – II Sponsored Faculty Development Programme On **“Recent Trends in Management of Environmental Systems” on 28<sup>th</sup> and 30<sup>th</sup> November 2013.** Organised by Department of Civil Engineering, Basaveshwar Engineering College (Autonomous), Bagalkot – 587 102.
3. Participated in VTU-VGST Faculty Development programme on **“Sustainable Development through Sugar Industries” (SDSI) (Residential) at Shamanur Sugar Industries Limited, Duggavathi, Davangere District on 28<sup>th</sup> and 31<sup>st</sup> July 2013.** Organised by **Bapuji Institute of Engineering and Technology, Davangere – 577 005.**
4. Participated in **“National Conference on Global Climatic Change: Perspectives and Challenges (NCGCC-2011), on 23<sup>rd</sup> and 24<sup>th</sup> March 2011.** Organised by Department of PG Studies and Research in Environmental Science Kuvempu University, Jnanasahyadri, Shankaraghatta – 577 456.
5. Participated in AICTE Sponsored Staff Development programme on **“Sampling, Testing, Analysis & Interpretation of Water quality Data (STAIWQ'09)” on 7<sup>th</sup> to 18<sup>th</sup> December 2009,** conducted by the Center for Environmental Engineering, Department of Civil Engineering, R.V. College of Engineering, Bangalore – 560 059, Karnataka State.
6. Participated in Two Day seminar on **“Role of Faculty in the Examination System” “12<sup>th</sup> ISTE State level Annual Convention & Two Day National Seminar on 20<sup>th</sup> and 21<sup>st</sup> November 2009.** Organised by G M institute of Technology Davangere. - 577 006.
7. Participated in Two Day National Workshop on **“Present and Future trends in Marine Geology and Geophysics” on 21<sup>st</sup> and 22<sup>nd</sup> April 2009,** Organized by Atmospheric sciences and technology cell, Mangalore University, Mangalgangothri, Mangalore, – 574199, Karnataka state.
8. Participated in Two Day National Seminar on **“Advances in Hydrosiences” on 10–11<sup>th</sup> March 2008.** Organized by Department of Geology, Sri Venkateswara University, Tirupati - 517 502, AndhraPradesh state.

9. Participated in **Two Day National Workshop on Water Resources: Exploration Strategies and Management Issues (water – 2008) on 24<sup>th</sup> and 25<sup>th</sup> March 2008, Organized by Department of geology, Periyar University, Salem – 636 011**
10. Participated in **Three day Biennial Convention of Indian Geological Congress and National Seminar on Geoexploration and Metal Mining: Vision 2025” held on 27<sup>th</sup> to 29<sup>th</sup> Sept2007 organized by Department of Studies in Geology, Karnatak University, Dharwad – 580 003**
11. Participated in **Three day Seminar on 3<sup>rd</sup> Kannada Vignana Sammelanaon 15<sup>th</sup> -17<sup>th</sup> September 2007. Organised by Swadeshi Vijnana Andolana Karnataka, Bangalore and Kuvempu University Shankaraghatta.**
12. Participated in **One Day Orientation programme on Teaching Methodology And Related Aspects on 6<sup>th</sup> May 2007 at Prof. Hiremath Hall Organized by Kuvempu University, Jnanasahyadri, Shankaraghatta – 577 451.**
13. Participated in **Two Days Training Programme on Groundwater Management on 14<sup>th</sup> to 16<sup>th</sup> November,2005 Organized by Zillah Panchyat, Shimoga, and Central Ground Water Authority (CGWA) and Central Ground Water Board (CGWB) South Western Region, Bangalore.**
14. Participated in **State Level Workshop on “Ground Water Recharge” in Bapuji Institute of Engineering and Technology, Davangere during 3<sup>rd</sup> and 4<sup>th</sup> July 2004.**
15. **Participated and in VI Convention of Mineralogical Society of India and International Seminar on Earth Resources Management, Kuvempu University, on 28-30<sup>th</sup> January, Conducted by Department of Applied Geology, Kuvempu University, Jnansahyadri, Shankaraghatta – 577 451.**
16. Participated in **One Day Workshop on Instructional Material Development on 12<sup>th</sup> September 2003 Organized by, Kuvempu University, Jnanasahyadri, Shankaraghatta, Shimoga District, Karnataka State**
17. **Undergone One month ISRO Sponsored training Programme On Remote Sensing and GIS Applications to Geology and Mineral Exploration from 13<sup>th</sup> to 12<sup>th</sup> December 2000, organized by Anna University, Chennai -25.**
18. Participated in **Two Day National Level Workshop on The Role of Earth Science In Natural Resources Management And Rural Development held on 2<sup>nd</sup> and 3<sup>rd</sup> March 2000, Organized by Department of Post Graduate Studies and Research in Applied Geology, Kuvempu University, Shimoga district, Karnataka state.**

|  |   |
|--|---|
|  | <p>19. Participated in <b>One Day Workshop on Remote Sensing And GIS Applications In Natural Resources Management</b> on 25<sup>th</sup> March 1998 Organized by <b>Department of Post Graduate Studies and Research in Applied Geology, Kuvempu University, Shimoga District, Karnataka State.</b></p> <p>20. Undergone 15 days <b>training in Open Cast Mining At [SMIORE] Sandur Manganese and Iron Ore Limited Sandur, Bellary District, Karnataka</b> as per the Post graduate syllabus.</p> |
|--|---|

#### University responsibilities

|   |   |
|---|---|
| 1 | BOE (UG) VTU, Belagavi  |
| 2 | BOE (PG) Kuvempu University                                       |
| 3 | BOS (UG) Kuvempu University, Sahyadri Science College, Shivamogga |

#### New Technology / Information learnt / exposed

|   |                                     |
|---|-------------------------------------|
| 1 | Geographic Information System (GIS) |
|---|-------------------------------------|

#### Membership details

|        |    |
|--------|----|
| LMISTE | LM |
|--------|----|

#### Personal Details

|                |  |
|----------------|--|
| Gender         | Male   |
| Date of Birth  | 29-04-1968   |
| Email          | <a href="mailto:arunksl@gmit.ac.in">arunksl@gmit.ac.in</a> |
| Contact detail | 9449501087   |