

## CV of Syed Ashfaq Ahmed

### A . Personal Information

1	Name in full (in capital letters)	DR. SYED ASHFAQ AHMED
2	Address	Department of Geology Central University of Karnataka Gulbarga University Campus Gulbarga-585106
3	Date of Birth	28/01/1965
4	Present position	Professor of Applied Geology

### B. Academic Qualification

Sl. No.	Examinations passed start with Degree Exam.	University/ Institution	Month & Year	Class Obtained
1	B.Sc.	Bangalore	June 1986	I Class
2.	M.Sc.	Bangalore	June 1988	I Class
3.	Ph.D.	Bangalore	1994	

#### 1. Academic distinctions :

- i. Rank holder in M.Sc. (Bangalore University during the year 1988)
- ii. Awarded Young Scientist Fellowship by **Charles University, Prague, Czechoslovakia – 1990 (Visited Czechoslovakia under this Fellowship)**
- iii. Awarded Senior Research Fellowship from **Council For Scientific and Industrial Research (CSIR), Govt. of India 1993-1996**
- iv. Awarded Commonwealth Fellowships, 2002 **United Kingdom from 01.12.2002 to 01.06.2003**
- v. Nominated for award by the University Grants Commission, Govt. of India, under **Cultural Exchange program to visit Syria for promoting Indian Heritage and in Technical, Physical and Applied Sciences – 2003**

2. Area of Specialization : Remote Sensing Applications, Image Processing,

3. Membership in Professional Bodies:

- i. Member of Remote Sensing and Photogrammetric Society UK, 2003-2004
- ii. Member of Geological Society of India 1989-2003

### **C. Teaching Experience (Full time regular teaching only)**

<b>Sl. No.</b>	<b>Level of Teaching</b>	<b>Name of the College</b>	<b>Period of Service</b>	<b>Courses Taught</b>
1	Under Graduate	Karnataka Science College	1997-98	Applied Geology
2	Post-graduate	Dept of Applied Geology, Kuvempu University	1998 -2012	Applied Geology, ESRM* MRSA*

\*Earth Science and Resource Management

\*Master of Remote Sensing and GIS Applications

### **D. Research Experience and Publications**

#### **1. Research Guidance ( M. Phil / Ph.D.)**

##### **a. Ph.D**

<b>Sl. No.</b>	<b>Name of Students</b>	<b>Part time or Full time</b>	<b>Subject</b>	<b>Year of Registration</b>	<b>Year of Award</b>
1	M.G.Omksha Murthy	Full Time	Applied Geology	1999	2004
2	C.P.Prasanna Kumar	Part Time	Applied Geology	2002	2009
3	Abdul Karem Saif Nasher Abdo	Full Time	Remote Sensing Applications	2009	Submitted

##### **b. Presently Guiding 8 students for their PhDs**

##### **c. M. Phil**

<b>Sl. No.</b>	<b>Name of Students</b>	<b>Part time or Full time</b>	<b>Subject</b>	<b>Year of Registration</b>	<b>Year of Award</b>
1	Ms. N.M.Vindhya	Part Time	Remote Sensing and GIS Applications	2007	2009
2	Ganesh,R.B.	Part Time	Applied Geology	2007	2008

## **2. Research Projects ongoing/completed:**

Sl. No.	Principal Investigator (mention if co-investigator)	Title of the Project	Supporting Agency (Foreign/ Indian/Govt.	Duration		Amount (Rs)
				From	To	
<b>A. Major Research Projects</b>						
01	Co-Investigator	Geology, Geochemistry and Geochronology of the Transect Between Gadag-Goa	DST	1999	2003	<b>20 Lakhs</b>
02	Principal Investigator	Structural and Lithological mapping of a part of Geotransect from Sakleshpur to Chitradurga belt using Remote Sensing and GIS	DST	2009	2012	<b>13,58,240</b>
03	Principal Investigator	Assessing irrigation performance of Bhadra command area, Karnataka using Remote Sensing and GIS	UGC	2009	2012	<b>5,87,000</b>
<b>B. Minor Research Projects</b>						
01	Principal Investigator	Evaluation of ASTER DEM	Japanese Govt. Ministry of Commerce	2004	2005	
<b>C. Departmental Research Projects</b>						
01	Member and Co investigator	UGC-SAP (DRS-I)	UGC	2003	2008	60 Lakhs
02	Member and Co investigator	UGC-SAP (DRS-II)	UGC	2009	2014	75 Lakhs
03	Member and Co investigator	DST-FIST	DST	2004	2009	45 Lakhs

## **3. Research Publications:**

### **Latest Publications**

- S.A. Ahmed**, K.N. Chandrashekarappa, S. Kiran Raj, V. Nischitha and G. Kavitha (2010) Evaluation of Morphometric Parameters Derived from ASTER and SRTM DEM – A Study on Bandihole Sub Watershed Basin in Karnataka, **J. Indian Soc. Remote Sens. Vol. 38: pp. 207-218.**
- Syed Ashfaq Ahmed and M.G.Omksha Murthy (2009)** Geochemistry of Granites associated with Molybdenite Mineralization of Ashapura area, Raichur district, Karnataka **Indian Mineralogist Vol. 43(2), pp.92-113**
- Syed Ashfaq Ahmed**, Omksha Murthy, M.G. and R. Ananthanarayana (2009) Fluid

inclusion study of Molybdenite bearing Granites of Ashapura area, Raichur district, Karnataka. **Indian Mineralogist**, Vol. 43(1), pp. 47-64.

4. T. C. Devaraju, T. L. Sudhakara, R. J. Kaukonen, R.P.Viljoen, T.T. Alapieti, **S. A. Ahmed** and S. Sivakumar (2009) Petrology and Geochemistry of Greywackes from Goa-Dharwar Sector, Western Dharwar Craton: Implications for Volcanoclastic Origin; **Jour. Geol. Soc. India**, Vol. 75. pp. 465-487.
5. Ali M. Qaid, Basavarajappa, H. T. Rajendran, S. **Ashfaq**, **S.A.** Xu Junfeng (2009) Calibration of ASTER and ETM + Imagery Using Empirical Line Method, a Case Study, North-East of Hajjah, Yemen. **Geo-spatial Information Science**, Vol. 12(3): 197-201.

### Books

1. "Earth Resource Management" Special Volume No.1: Publishers: Indian Mineralogist Editors; K.S. Anantha Murthy, G. Chandrakantha, **Syed Ashfaq Ahmed**, K.N. Chandrashekarappa and Govindaraju (2005). ISSN 0019-5928, 155 p.

### Proceeding Volumes

1. Ananda, A.J., **S.A.Ahmed**, S.K.Raj, Nischitha, V., Surabhi Bhat, and Abdul Kareem (2011): Development and Management of Karlahalla watershed, Davanagere district, Using Remote Sensing and GIS: **Proceedings of National Seminar on Sustainability of Ground Water Resources**. pp. 101-114.
2. Lingadevaru, M, K.S.Anantha Murthy, G.Chandrakantha, **S.A.Ahmed** Chandrashekarappa, K.N and Govindaraju (2011) Groundwater quality assessment- A Case study of Bhadravathi town, Central Karnataka, **Proceedings of National Seminar on Sustainability of Ground Water Resources**. pp. 183-190.
3. Chandrashekarappa, K.N., Basavaraja Simpi, **S.A.Ahmed** and Govindaraju (2011) Groundwater quality status of the Tunga Left Bank Command area, Karnataka. **Proceedings of National Seminar on Sustainability of Ground Water Resources**. pp. 191-197.
4. **Syed Ashfaq Ahmed (2010)** Climatic Disasters, One day National level Seminar on **Climate Change and Climatic Disasters** (6<sup>th</sup> March 2010)
5. **Syed Ashfaq Ahmed (2009)**. Tropical Cyclones, Proceedings of UGC Sponsored one day state level Workshop on **Disaster Management** (6<sup>th</sup> Feb 2009), pp. 41-57.
6. Abdul Kareem, S.N., **S.A.Ahmed**., Kiran Raj, S., Nischitha,V., Surabhi Bhatt., K.N. Chandrashekarappa (2012) Crop-Water Assessment in the Right Bank Canal of the Bhadra Command Area, Karnataka, GEOMATRIX 2012, IIT Mumbai.
7. Nischitha, V., **S.A.Ahmed**, Abdul Kareem, S.N., Surabhi Bhatt, Kiran Raj, S and K.N. Chandrashekarappa Spatial Variability of Rainfall in Tunga and Bhadra Basin, Karnataka, India GEOMATRIX 2012, IIT Mumbai

8. Surabhi Bhatt, **S.A Ahmed**, Kiran Raj S, Nischitha V, Abdul Kareem, S.N and K.N. Chandrashekarappa (2012) ASTER and SRTM derived Morphometric Analysis of Yerla River in Maharashtra, GEOMATRIX 2012, IIT Mumbai

### **Papers Communicated**

1. Abdul Kareem, S.N.A., **Ahmed, S.A.**, Nischitha, V., Surabhi Bhatt, Kiran Raj, S and Chandrashekarappa, K.N. FAO 56 Model and Remote Sensing for the Estimation of Crop-Water Requirement in Main Branch Canal of the Bhadra Command area, Karnataka State (Communicated to ISRS 2011).
2. Abdul Kareem, S.N.A., **Ahmed, S.A.**, Nischitha, V., Surabhi Bhatt, Kiran Raj, S and Chandrashekarappa, K.N. Estimation of Crop-Water Requirement in the Bhadra Command Karnataka State using FAO 56 Model and Remote Sensing (Communicated to Agricultural Water Management).
3. Abdul Kareem, S.N.A., **Ahmed, S.A.**, Nischitha, V., Surabhi Bhatt, Kiran Raj, S and Chandrashekarappa, K.N. (2011) Monitoring spatio-temporal actual Evapotranspiration by using MODIS L1B Data of Bhadra Command area (Communicated to Agriculture Forest Meteorology).

### **List of Papers presented in National Seminars/Symposium and Abstracts**

1. Abdul Kareem, S.N., **S.A.Ahmed.**, Kiran Raj, S., Nischitha,V., Surabhi Bhatt., K.N. Chandrashekarappa (2012) Crop-Water Assessment in the Right Bank Canal of the Bhadra Command Area, Karnataka, GEOMATRIX 2012, IIT Mumbai.
2. Nischitha, V., **S.A.Ahmed**, Abdul Kareem, S.N., Surabhi Bhatt, Kiran Raj, S and K.N. Chandrashekarappa Spatial Variability of Rainfall in Tunga and Bhadra Basin, Karnataka, India GEOMATRIX 2012, IIT Mumbai
3. Surabhi Bhatt, **S.A Ahmed**, Kiran Raj S, Nischitha V, Abdul Kareem, S.N and K.N. Chandrashekarappa (2012) ASTER and SRTM derived Morphometric Analysis of Yerla River in Maharashtra, GEOMATRIX 2012, IIT Mumbai
4. Chandrashekarappa, K.N., **Ahmed, S.A.**, Govindaraju, Shruthi, S., Manohara, T.H., and Devarajaiah, (2012) Erosion Prone analysis of Kattehole Sub-Watershed, Tarikere Taluk, Chickmagalur District- A Remote Sensing and GIS approach: National Seminar on Geospatial Solutions for Resource Conservation and Management. 18-19 January 2012, p.15.
5. Chandrashekarappa, K.N., Manohara, T.H., Nagesh, P.C., **Ahmed, S.A.**, Govindaraju, and Devarajaiah, (2012) Quantitative Geomorphic study of Hirehalla Sub-watershed, Honnali Taluk, Davanagere district, Karnataka State, India: National Seminar on Geospatial Solutions for Resource Conservation and Management. 18-19 January 2012, p.18.
6. Surabhi Bhatt, **S.A.Ahmed**, Kiran Raj, S. and Nischitha,V. (2012) Evaluation of

Morphometric parameters of Yerla River catchment in Maharashtra from ASTER DEM: National Seminar on Geospatial Solutions for Resource Conservation and Management. 18-19 January 2012, p.30

**i. Lectures delivered as Resource Person:**

1. **Earth Resources:** Refresher course in Geography for High School and College Teachers. 18<sup>th</sup> September, 2000 Sponsored by Director, Teachers Training College, Chickmagalur.
2. **Remote Sensing and GIS Applications:** 2 Days workshop on Applications of Earth Science in Civil Engineering. Sir MV Institute of Technology Bangalore 29<sup>th</sup> and 30<sup>th</sup> April 2004.
3. **Digital Image Processing:** Short Course on **Basics of Geoinformatics**, Gulbarga University on 13<sup>th</sup> and 14<sup>th</sup> January 2006 Sponsored by ISRO Govt. of India.
4. **Remote Sensing and GIS Applications in Resource Management:** Short Course on Geoinformatics, November 2007. Gulbarga University Sponsored by ISRO Govt. of India.
5. **Remote Sensing in Urban Planning and Management:** One week workshop on Recent Advances in Civil Engineering. Sponsored by Engineering Staff College, Govt. of Karnataka 21<sup>st</sup> Aug. 2008 held at JNNCE
6. **Tropical Cyclones:** Workshop on Disaster Management sponsored by UGC to College teachers. JSS College for Women Chamarajanagar on 6<sup>th</sup> February 2009.
7. **Remote Sensing and GIS in Urban Planning:** Regional Survey Training Institute, Gulbarga Govt. of Karnataka. 30<sup>th</sup> June 2009.
8. **Remote Sensing Applications in Biodiversity:** 13<sup>th</sup> November 2009- Refresher course in Biodiversity and Conservation from 12<sup>th</sup> November 2009 to 02<sup>nd</sup> December 2009.
9. **Karnataka Science & Technology Academy Vision Group Meeting**, Mangalore University, Mangalore 27<sup>th</sup> and 28<sup>th</sup> May, 2011
10. **Karnataka Science & Technology Academy Vision Group Meeting**, Bangalore University, Mangalore 18<sup>th</sup> and 19<sup>th</sup> March, 2011