

# CURRICULUM VITAE

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**Dr. K. RAVI CHANDRA, M.Sc. (Tech.), Ph.D.**  
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## CAREER OBJECTIVE:

To pursue a challenging career and to be a part of reputed organization that recognize & enhance my caliber, knowledge and potential to full extent, with sheer dedication and hard work, I aspired to undertake the original and dedicated position in this organization.

## ACADEMIC PROFILE:

Qualification	University/Board	Year of Passing	Percentage
Ph.D. (Physics)	Department of Electronics and Physics, Institute of Science, GITAM University, A.P.	August -2019	-----
M.Sc.(Tech.) Geo-Physics	Department of Geo-Physics Andhra University, A.P.	April- 2008	80.19%
CSIR NET (JRF+LS)	Joint CSIR-UGC, New Delhi	June - 2010	----
B. Sc. (MPC)	Andhra University, A.P.	April- 2005	82.22%
Intermediate (MPC)	Board of Intermediate Education, A.P.	March- 2001	92.5%
SSC	Board of Secondary Education	March - 1999	68.17%

## TEACHING EXPERIENCE

- Presently working as an **Assistant Professor (c) in Geo-Physics** (from 01-04-2014 onwards to till date), in the Dept. of Geosciences Dr. B.R. Ambedkar University, Etcherla, Srikakulam.
- Worked as a **Teaching Associate in Geo-Physics** for one year (2010-11) and **Guest Faculty** (2009-10), in the Dept. of Geosciences, Dr. B.R. Ambedkar University, Etcherla, Srikakulam
- Worked as a **Physics faculty** for B.Sc. (Physics) in Prabha degree & PG College for one year (2010), Visakhapatnam.
- Worked as a **lecturer in Physics** for Intermediate (EAMCET, AIEEE, IIT) and B.Sc (Physics) in **SASI** educational institutions, for one year (2009-10), Velivenu, Tanuku, W.G.Dt.

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## **RESEARCH EXPERIENCE**

- Worked as a **CSIR Junior Research Fellow (JRF / full-time)** for two years (2011-13) on the topic, “**Magnetic analysis of fine-grained particles of anthropogenic origin and their relationship with their geochemical parameters in Visakhapatnam city, Andhra Pradesh, India**”, under the guidance of Dr. G. Srinivasa Rao, Department of Physics, Institute of Science, GITAM University, Rushikonda, Visakhapatnam.
- Worked as part-time research scholar (2014-17) under the guidance of **Dr. G. Srinivasa Rao**, Department of Physics, Institute of Science, GITAM University and awarded my Ph.D thesis entitled “**Magnetic monitoring of environmental pollution in Visakhapatnam city, Andhra Pradesh, India**”.

## **ADMINISTRATIVE EXPERIENCE**

- Worked as **HOD/Course Coordinator I/c**, Department of Geosciences, Dr. B.R.Ambedkar University, Etcherla, Srikakulam for the academic year 2014-15 (01-02-2014 to 31-08-2014).

## **AREAS OF SPECIALIZATION**

- Physics of Magnetism, Geomagnetism (Rock and Environmental Magnetism) in research discipline
- Engineering and Post Graduate Physics – Mechanics (Classical & Quantum), Magnetic Materials, Electrical Properties, Electrodynamics, Nano-materials etc. in teaching discipline
- Gravity & Magnetics, Electrical & Electromagnetic methods, Seismics in teaching discipline in Geophysics

## **RESEARCH PUBLICATIONS**

- Environmental magnetic and geochemical characterization of atmospheric particulate dust in Visakhapatnam city, India: A new technique of textile monitoring of pollution, Journal of Emerging Technologies and Innovative Research, ISSN No: 2349-5162, Volume No: 4 (2017), 649–658.
- Pollution-Related Magnetic Signature of Atmospheric Particulate Suspended Dust collected by Cloth Samplers in Visakhapatnam City, India: A new Tool for Detecting and Monitoring Sources of Air Pollution”. International Journal & Magazine of Engineering, Technology, Management & Research, ISSN No: 2348-4845, Volume No: 4 (2017), 278–284.
- “A study on magnetic susceptibility of suspended dust-loaded yellow flamboyant leaves (Peltophorum pterocarpum) for understanding pollution levels in industrial and residential zones of Visakhapatnam city, India”, International Journal & Magazine of Engineering, Technology, Management & Research, ISSN No: 2348-4845, Volume No: 4 (2017), 523–530.
- “Magnetic susceptibility mapping of top soils using MS 2D loop probe to monitor varying pollution anomalies of industrial and residential zones of Visakhapatnam city, India”, International Journal & Magazine of Engineering, Technology, Management & Research, ISSN No: 2348-4845, Volume No: 4 (2017), 531–538.
- “Seismic events identification below the surface by using 3D Seismic data acquisition & processing techniques in Ramnad Sub-Basin, Chennai, ONGC”, International Journal & Magazine of Engineering, Technology, Management & Research, ISSN No: 2348-4845, Volume No: 2 (2015), 390-398.

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## SEMINARS / CONFERENCES / WORKSHOPS / WEBINARS / FDP's / Refresher Courses

- Participated in the 7<sup>th</sup> International conference and exposition on Petroleum Geophysics, 'Hyderabad – 2008', by Society of Petroleum Geophysicists (SPG), India.
- Participated in the national conference on "Geosciences and water resources for sustainable development (February, 2011), Dept. of Geophysics, Andhra University, Visakhapatnam.
- Participated in the national seminar on "Hydrology" with special colloquium on "Management of rural water resources (July, 2011)", in the Dept. of Geosciences, Dr. B.R.Ambedkar University, Etcherla, Srikakulam.
- Participated in the National seminar on "Peaceful applications of atomic energy", jointly organized by GITAM Institute of Science & Dept. of Atomic energy (February, 2012), Department of Electronics / Physics, Visakhapatnam.
- Participated in the "National Science Exhibition – 2018", jointly organized by "National Research Development Corporation, New Delhi & PULSUS, Hyderabad", at Dr.B.R.Ambedkar University, Srikakulam. (28<sup>th</sup> February, 2018)
- Participated in the National seminar on 'Hydrology' with a colloquium on 'Nature based solution to water challenges' jointly organized by Association of Hydrologists of India (AHI) and Department of Geophysics & Geology, A.U., Visakhapatnam (March 2018).
- Participated in the National seminar on 'Recent Developments in Mathematics and It's Applications – 2018 (RDMA - 2018), organized by Department of Mathematics, Dr.B.R.Ambedkar University, Srikakulam. (21 – 22<sup>nd</sup> December, 2018)
- Participated in the 5<sup>th</sup> 'Andhra Pradesh Science Congress - 2019' held at Dr. B.R.Ambedkar University, Srikakulam. (28<sup>th</sup> – 30<sup>th</sup> November, 2019).
- Participated in the 'National Workshop' on 'Assessment & Accreditation of HEI's & Colleges' organized by International Quality Assurance Cell (IQAC) of Dr. B.R.Ambedkar University, Srikakula, A.P., in association with National Assessment and Accreditation Council (NAAC), Bangalore, India (3<sup>rd</sup> of Feb, 2020).
- Participated in the workshop entitled "WOMEN IN SCIENCE" organized by College of Science, Dr.B.R.Ambedkar University, Srikakulam, A.P., on the eve of National Science Day on 28<sup>th</sup> February – 2020.
- Participated in **One Day Swachhta Action Plan Online Workshop** for Faculty of Higher Education Institutions in Srikakulam District, Andhra Pradesh on 4th June 2020, organized by **MGNCRE AP SAP SKLM**.

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- Participated in the Webinar on “Importance of Physics In Industry and Opportunities for Physics Students” organized by Department of Physics, Milind College of Science, Aurangabad, on July 21, 2020.
- Participated in the National Workshop on “Recent Advances in Geosciences” conducted by Department of Geosciences, Dr. B. R. Ambedkar University, Etcherla, Srikakulam on July 31, 2020.
- Participated in the National Webinar on “Recent Activities of Nanomaterials (NWRAN-2020)” organized by Department of Physics, Dr. B. R. Ambedkar University, Srikakulam, A.P., India, held on August 6, 2020.
- Participated in the Webinar on “Recent Trends in Rock Mechanics and Engineering Geology” conducted by the Department of Geology, Adikavi Nannayya University on a virtual platform on August 7, 2020.
- Participated in the “Two Day International FDP on High Impact Teaching Skills and Mind Mapping for Better Teaching” organized by International Centre for Business Studies (ICBS), Department of Commerce, Manipal Academy of Higher Education, Manipal, held on 19<sup>th</sup> and 20<sup>th</sup> August, 2020.
- Participated in the National Webinar on “Geomagnetic Filed in Geosciences” conducted by the Department of Geosciences, Dr.B.R.Ambedkar University, Etchela, Srikakulam, on September 4, 2020.
- Finished e-training on ‘Refresher Course in Ground Geophysics in Mineral Exploration’ held from 31-08-2020 to 10-09-2020, by the Geological Survey of India (GSI), Hyderabad.
- Participated in the one day national webinar on “Geospatial Technologies on Sustainable Natural Resources Management” by the Department of Geosciences, Dr.B.R.Ambedkar University, Etchela, Srikakulam, held on 16<sup>th</sup> September, 2020
- Completed 21 days Faculty Development Programme (FDP) on “Adopting to Online Teaching Learning Technologies” from 16<sup>th</sup> November – 7<sup>th</sup> December, jointly organized by Dr. B.R.Ambekar University, Delhi and Dr. B.R.Ambekar University, Etcherla, Srikakulam.

## **ACHIEVEMENTS / AWARDS / FELLOWSHIPS / PATENTS:**

- Intermediate Town second, achieving silver medal (Brilliant Junior College, Tadepalligudem, West Godavari District, A.P)
- Andhra University topper in B.Sc. (M.P.C) in first year Chemistry (95/100).
- Qualified Joint **CSIR-UGC NET-2010** and achieved 26<sup>th</sup> rank in “Earth Atmospheric Planetary and Ocean Sciences (**Geo-Physics stream**)” for junior research fellowship and eligibility for lectureship (**JRF + LS**).

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## PERSONAL DETAILS:

DATE OF BIRTH : 2<sup>nd</sup> June 1984  
MARITAL STATUS : Single  
PARENTS : Kammula Radha Krishna (Late), Dhana Lakshmi  
ADOPTED PARENTS : Mullapudi Dhanunjaya Prasad Chowdary, Padmavathi  
NATIONALITY & RELIGION: Indian & Hindu  
CATEGORY/COMMUNITY : OC – General (Kamma/Chowdary)  
NATIVE PLACE : Tadepalligudem, West Godavari  
LANGUAGES KNOWN : English, Telugu and Hindi  
PRESENT DESIGNATION : Assistant Professor, Dept. of Geosciences, Dr. B. R.A.U.

## REFERENCES:

**1. Prof. Pathuri Rajendra Prasad (Rtd.),**  
Sir Arthur Cotton Geospatial Chair Professor,  
Department Of Geo-Physics,  
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**3. Dr. R. Venkatachalapathy**  
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**2. Dr. Nathani Basavaiah,**  
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**4. Dr. G. Srinivasa Rao,**  
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## DECLARATION:

I, hereby declare that, the information given to you on this Curriculum Vita is correct to the best of my knowledge and belief details related to me have been accurately furnished and that I possess the qualifications, which I claim to hold.

Place: Etcherla,  
Date: 27-12-2020



(K. RAVI CHANDRA)