

Dr.Lanka Venkata Ramana Murthy

Professor in Physics

RVR & JC College of Engineering

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Summary

- 9+ years of Research experience in the field of **Electron microscopy in DRDE, Gwalior.**
- 4 years of software programming experience.
- **20+ years of teaching experience in Engineering Colleges.**

Education: Ph.D in Physics, 1997, Jiwaji University, Gwalior, India

M.Sc in Nuclear Physics, 1987, Andhra University, Waltair, India

B.Ed, 1989, Regional College of Education, Mysore, India

Ph.D Thesis Title: “Studies on Protective behaviour of certain polymeric materials against sulphur mustard and its analogue”.

Date of Birth: 1st June 1965

Technical Certifications:

- Certificate course in Business Applications Software Integration from Complete Business Solutions (India) Ltd, Hyderabad.
- **Brainbench Certified (USA)** Professional in HTML, Active Server Pages, JavaScript, Visual Basic, MS SQL Server, VB Script, and RDBMS concepts.

Scopus Citations:

<https://www.scopus.com/authid/detail.uri?authorId=7005737228>

Google Scholar citations:

<https://scholar.google.com/citations?user=zMzcbLYAAAAJ>

Vidwan: <https://vidwan.inflibnet.ac.in/profile/198158>

Orcid: <https://orcid.org/0000-0003-2805-277X>

Publons Citations(Web Of Science) :

<https://publons.com/researcher/4241919/venkata-ramana-murthy-lanka/>

Research Gate :

https://www.researchgate.net/profile/Venkata_Ramana_Lanka

Research Publications: 11 Research publications in International Journals
6 Research papers presented in various conferences.

Membership of professional Bodies: Life Member of ISTE, New Delhi

Professional Experience

(I). Teaching Experience:

(i) June 2005 - Till Date:

- Currently working as Professor in Physics in RVR&JC College of Engineering, Guntur, Andhra Pradesh, India.
- Involved in teaching engineering physics and Materials Science to B.Tech. students.

(ii) October 2003- May 2005:

- Worked as an Assistant Professor in Physics in Bannari Amman Institute of Technology, Sathyamangalam-638401, Tamilnadu, India.
- Involved in teaching engineering physics and Materials Science to B.E/ B.Tech students.

(iii) June 2002- September 2003:

- Worked as an Assistant Professor in Physics in The Vazir Sultan College of Engineering, Khammam, Andhra Pradesh, India.
- Involved in teaching engineering physics and Materials Science to B.E/ B.Tech students.

(II). IT Experience: July 1998- May 2002

- Worked as a software programmer in software consulting companies in India as well as in USA.
- Worked with clients like Aventis Pharmaceuticals, Bridgewater (NJ, USA), Society of Petroleum Engineers, Dallas (USA), SBC wireless (Bell Pacific, Pleasanton, CA, USA), Morgan Stanley Dean Witter (New York, USA) and TATA Iron & Steel Company Ltd., Jamshedpur, India.

(III).Research Experience: May 1989- July 1998

Worked in the Electron Microscopy Division of **Defence Research & Development Establishment (DRDO Lab), Gwalior**. During this period involved in various research and development activities. as follows:

- Worked for various research projects using **Scanning Electron Microscope (SEM)** and **Transmission Electron Microscope (TEM)** and related techniques.
- Worked for an independent study entitled “**Studies on protective behaviour of certain polymeric materials against hazardous chemicals.**” This work was carried out by me for my Ph.D thesis work under the guidance of Dr.R.S.Chauhan, Head, Electron Microscopy Division, DRDE, Gwalior.
- Under this project, structurally different polymer systems namely semi crystalline Poly(ethylene terephthalate) (PET) films and elastomeric nitrile and natural rubber blends of different thicknesses were studied for their protective behaviour against SM and its analogues.
- Published 11 research papers in reputed international journals (List enclosed).
- Presented 6 research papers in National/ International conferences (List enclosed).

LIST OF PUBLICATIONS

1. Diffusion behaviour of sulphur mustard and its oxygen analogue in Polyethylene terephthalate films, **L.V.R.Murthy** and R.S.Chauhan, Journal of Applied Polymer Science, Vol. 68,2057-2062(1998)(USA).
2. Studies on sorption behaviour of sulphur mustard and oxygen analogue of sulphur mustard in nitrile and natural rubber blends, **L.V.R.Murthy**, S.Benarjee, Beer Singh and R.S.Chauhan, Journal of Applied Polymer Science, Vol.65 731-738, (1997).)(USA).
3. Mechanical and transport properties of polyethylene terephthalate films with reference to sulphur mustard, R.S.Chauhan, **L.V.R.Murthy**, S.Benarjee and N.Singh, Polymer International, Vol.42, 251-256(1997)(UK).
4. Effect of sulphur mustard on microhardness of poly ethylene terephthalate films, **L.V.R.Murthy**, A.C.Pandey, A.K.Srivastava and R.S.Chauhan, Journal of Applied Polymer science, Vol.60, 147-151(1996).)(USA).
5. Effect of topically applied sulphur mustard on guinea pig liver, R.S.Chauhan and **L.V.R.Murthy**, Journal of Applied Toxicology, Vol.17(6), 415-419 (1997) (USA).
6. Structural changes induced by sulphur mustard in rabbit skin, R.S.Chauhan , **L.V.R.Murthy**, Usha.Arora and P.R.Malhotra, Journal of Applied Toxicology, Vol.16(6), 491-495(1996) (USA).

7. Sulphur mustard induced morphological changes in mice and human blood cells, R.S.Chauhan, K.Sugendran, **L.V.R.Murthy**, K.V.Ramana and S.Dasgupta, Biomedical letters, Vol.53, 201-209(1996) (UK).
8. Electron microscopic study on skin lesions induced by sulphur mustard, R.S.Chauhan and **L.V.R.Murthy**, Defence science journal, Vol.46, No.1, pp 15-19, January ,1996.
9. Electron microscopic study of guinea pig skin exposed to sulphur mustard, R.S.Chauhan, **L.V.R.Murthy** and S.C.Pant, Bulletin of Environmental contamination and toxicology, Vol.55, 50-57(1995))(USA).
10. Effect of sulphur mustard on mouse skin- an electron microscopic evaluation, R.S.Chauhan, **L.V.R.Murthy** and R.C.Malhotra, Bulletin of Environmental contamination and toxicology, Vol.51, 374-380(1993))(USA).
11. Histomorphometric study of animal skin exposed to sulphur mustard, R.S.Chauhan, **L.V.R.Murthy** and Mamta Pandey, Bulletin of Environmental contamination and toxicology, Vol.51, 138-145(1993))(USA).

LIST OF PAPERS PRESENTED IN CONFERENCES

1. Electron Microscopical studies on skin lesions induced by sulphur mustard, R.S.Chauhan and **L.V.R.Murthy**, Presented in Indo-French symposium on Electron Microscopy in cell and Molecular biology, NII New Delhi, November 1992.
2. Structural studies on mouse liver exposed to sulphur mustard. R.S.Chauhan and **L.V.R.Murthy**, Presented at XIX conference of the Electron Microscopy Society of India, NPL, New Delhi, December 1994.
3. Effects of Sulphur Mustard on blood cells- a Scanning Electron Microscopy based study, R.S.Chauhan, K.Sugendran, **L.V.R.Murthy**, K.V.Ramana and S.Das Gupta, Presented at XIX conference of the Electron Microscopy Society of India, NPL, New Delhi, December 1994.
4. Sulphur Mustard induced structural changes in rabbit skin, R.S.Chauhan, **L.V.R.Murthy**, U.Arora and P.R.Malhotra, Presented in XIV Annual conference of Society of Toxicology, Bombay December 1995.
5. Diffusion of Sulphur Mustard across Poly(ethylene terephthalate) films and its dependence on morphology, **L.V.R.Murthy** and R.S.Chauhan, Presented in XX

- conference of the Electron Microscopy Society of India, IACS, Culcutta, December 1996.
6. Morphology and diffusion behaviour of rubber blends, **L.V.R.Murthy**, S.Banerjee and R.S.Chauhan, Presented in XX conference of the Electron Microscopy Society of India, IACS, Culcutta, December 1996.

LIST OF CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

- 1) Attended UGC sponsored National Seminar on SOLAR ENERGY HARVESTING THROUGH PHOTOVOLTAIC CELLS AND STORAGE (SEHTPVAS-13) Organized by Department of Physics & Chemical Engineering at RVR&JCCE GUNTUR during June 21-22 , 2013
- 2) Attended AICTE sponsored National Work Shop on NANOTECHNOLOGY- A FUEL FOR CHEMICAL INDUSTRY(NTFC-2013) Organized by Department of Chemical Engineering at RVR&JCCE GUNTUR from September 20-21 , 2013
- 3) Attended DST sponsored National Seminar on FUTURISTIC TRENDS OF NANOCOMPOSITES AND THEIR FABRICATION(FTNCF-2013) Organized by Department of Mechanical Engineering at RVR&JCCE GUNTUR from September 6-7 , 2013
- 4) Attended AICTE sponsored National Seminar on ADVANCES IN BIOMATERIALS FOR MEDICAL APPLICATIONS (ABMA-2014) Organized by Department of Mechanical Engineering at RVR&JCCE GUNTUR during March 14-15 , 2014.
- 5) Attended two day National Seminar on MARCH TO MAKE IN INDIA THROUGH ENGINEERING ADVANCEMENTS (MMIEA) Organized by Department of Mechanical Engineering at RVR&JCCE GUNTUR during September 29-30 , 2016.
- 6) Attended one day National Seminar on MATERIALS SCIENCE AND TECHNOLOGY (NAMASTE-2016) Organized by Department of Physics,V.R. Siddhartha Engineering College, Vijayawada, on November 19th 2016.