R E S U M E

 Name **:** ***Dr. R. RAMA KUMAR***

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 Associate Professor

 Department of Physics

 RVR & JC College of Engineering

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 **Educational Qualifications:**

 **B.Sc. (1983)** with Mathematics, Physics and Chemistry as Subjects passed with **Distinction**  from S V University, Tirupati

 **M.Sc. (1985)** Physics with Electronics & Electro-Acoustics as Electives

 passed with **First** class from S V University, Tirupati

 **M.Phil. (1988**) Spectroscopy as the main research field passed with **First**

 class from S V University, Tirupati. The title of the Dissertation is

 **“Absorption Spectrum of Co (II) Ions in Potassium Dihydrogen Phosphate single crystal”**

 **Ph.D. (1996)** Spectroscopy from S V University, Tirupati. The title of the Thesis is “**Spectral Studies of Transition Metal Ions in Glasses and Crystals”**

 **Additional Qualifications :**

 i. Acquired \basic knowledge in Computers

 ii. Won proficiency prizes in English and Subjects at Graduation level in

 SCNR Government College, Proddatur, Kadapa District during 1980–81 &

 1981–82 respectively

 iii. Stood first in the College with Distinction at Graduation level

 **Research Experience:**

 12 years in the Department of Physics, S V University, Tirupati

**Post-Doctoral Research Experience:**

 3 years & 9 months in the School of Physics, University of Hyderabad, Hyderabad

 **Teaching Experience : 18 years**

 Assistant Professor: 18-06-2006 to 30-06-2018 and

 Associate Professor from 01-07-2018 till today in the Department of Physics,

 RVR & JC College of Engineering, Guntur.

 **Papers Published in National / International Journals : 16**

 **Fellowships Awarded:**

 i. Recipient of an **SRF** from the **CSIR**, New Delhi during 1991 - 93

 ii. Recipient of an **RA** Fellowship in **UGC - SAP** to work on Optical Glasses

 under the Co-Ordinatorship of Prof.A.K.Bhatnagar of the University of

 Hyderabad, Hyderabad during 1997 - 2000

 **Membership of Learned Societies/ Professional Bodies:**

ISTE, New Delhi; IAENG, Hong Kong & ISEIS, Canada

 **Member on Editorial Boards of Research Journals:**

WASET- Scientific and Technical Committee & Editorial Review Board

 Member on Physics and Space Sciences

 Review Board Member of IJERT

 **Special Interests:**  Reading Books and Browsing Net

 **Conferences/Seminars/ Workshops Attended** **:**

 5th National Seminar on **Ferroelectrics and Dielectrics** orgnaised by Department of Physics, SVU College of Engineering, Tirupati during 3rd - 5th January 1989 and presented a paper entitled **“Electronic Absorption Spectrum of Co2+ ions in KDP single crystals”.**

Seminar on **Semiconductor Physics and Devices organized by** School of Physics, University of Hyderabad, Hyderabad during 5th -7th March 1999 on the occasion of Silver Jubilee Celebrations.

**3 Day - Training cum Workshop** **Programme on Teaching Technology for** **Engineering and Science Teachers** at JNTU, Hyderabad during 12th - 14th September 2003.

 UGC Sponsored National Seminar on **Solar Energy HarvestingThrough Photo Voltaic Cells And Storage** **(SEHTPVAS)** orgnaised by Department of Physics, RVR & JC College of Engineering, Guntur during 21st - 22nd June 2013 and presented a paper entitled “**Enhancing Efficiency of Photo Voltaic Cells and Energy Storage Methods - A Review”.**

DST Sponsored National Seminar on ***Futuristic Trends of Nanocomposites******and their Fabrication (FTNCF*)** organised by Department of Mechanical engineering, RVR & JC College of Engineering, Guntur during 6th - 7th September 2013.

AICTE Sponsored National Workshop on **Nanotechnology – A Fuel for** **Chemical Industry (NTFC)** organized by Department of Chemical Engineering, RVR & JC College of Engineering, Guntur during 20th - 21st September 2013.

 AICTE Sponsored National Seminar on ***A*dvances in Biomaterials for Medical** **Applications (ABMA)** organized by Department of Mechanical

Engineering, RVR & JC College of Engineering, Guntur during 14th - 15th March 2014.

SERB Sponsored National Seminar on ***A*dvances in Composite Materials (ACM)** organized by Department of Mechanical engineering, RVR & JC College of Engineering, Guntur during 20th – 21st April 2017.

**English Communication Skills Project Training Programme** at Sri Mittapalli College of Engineering, Thummalapalem, Guntur conducted by **APSCHE** in collaboration with **British Council** during July 2017.

AICTE Sponsored National Seminar on ***A*dvances in Nanocomposite Materials and Their FABRICATION (ANMF)** organized by Department of Mechanical Engineering, RVR & JC College of Engineering, Guntur during

2nd – 3rd November 2017.

***LIST OF PUBLICATIONS***

1. EPR of Gadolinium ions in alkali lead borate glasses

### **R. Rama Kumar**, A.K. Bhatnagar and J. Lakshmana Rao

Manuscript under Preparation

1. EPR of Vanadyl ions in alkali lead borate glasses

**R. Rama Kumar**, A.K. Bhatnagar and J. Lakshmana Rao

Mat.Lett. 57 (2002) 178

### EPR and optical absorption of Cu2+ ions in ternary K2SO4-Na2SO4­-ZnSO4 glasses

### **R. Rama Kumar**, A.K. Bhatnagar and B.C. Venkata Reddy

### Solid State Commun.114 (2000) 493

### EPR and optical absorption of Cr3+ ions in ternary K2SO4-Na2SO4­-ZnSO4 glasses

**R. Rama Kumar** and B.C. Venkata Reddy

Rad. Eff. Def. Solids 147 (1999) 293

1. Absorption spectral properties of Cu2+ions in sodium potassium sulphate

**R. Rama Kumar**, C.V. Krishna Reddy and B.C. Venkata Reddy

Ferroelectr. Lett. 23 (1997) 81

1. EPR and optical absorption of Mn2+ ions in ternary K2SO4-Na2SO4­-ZnSO4 glasses

**R. Rama Kumar**, A. Srinivasa Rao and B.C. Venkata Reddy

Trans. Met. Chem. 21 (1996) 390

1. EPR and optical absorption of VO2+ ions in K2SO4-Na2SO4­-ZnSO4 glasses

**R. Rama Kumar**, A. Srinivasa Rao and B.C. Venkata Reddy

Opt. Mater. 4 (1995) 723

1. Optical absorption spectrum of Ni2+ ions in sodium ammonium sulphate dihydrate single crystal

**R. Rama Kumar**, Ch. Krishna Kumari, I. Aruna Kumari and B.C. Venkata Reddy

Ferroelectr. Lett. 20 (1995) 105

1. Optical absorption spectrum of Cr3+ ions in sodium ammonium sulphate dihydrate single crystal

**R. Rama Kumar**, A. Thulasi Ramudu, I. Aruna Kumari and B.C. Venkata Reddy

Ferroelectr. Lett. 19 (1995) 75

10. Optical absorption spectrum of Co2+ ion impurities in lithium sodium potassium sulphate single crystal

**R. Rama Kumar** and B.C. Venkata Reddy

Cryst. Res. Technol. 30 (1995) 853

1. Absorption spectrum of Ni(II) ions doped in lithium sodium potassium sulphate single crystal

**R. Rama Kumar** and B.C. Venkata Reddy

Acta Phys. Polon. A 87 (1995) 1023

1. Optical absorption spectrum of Cu2+ ions in lithium sodium potassium sulphate single crystal

**R. Rama Kumar** and B.C. Venkata Reddy

Cryst. Res. Technol. 28 (1993) 535

1. Optical absorption spectrum of Ni2+ ions in ammonium dihydrogen phosphate

B.C. Venkata Reddy, D.S. Siva Kumar and **R. Rama Kumar**

Phys. Scr. 44 (1991) 263

1. Optical absorption spectrum of Ni2+ ions doped in sodium potassium sulphate single crystal

B.C. Venkata Reddy, **R. Rama Kumar** and Sujatha John

Czech. J. Phys. 41 (1991) 92

1. Electronic absorption spectrum of Co2+ ions doped in potassium dihydrogen phosphate single crystal

B.C. Venkata Reddy and **R. Rama Kumar**

Ferroelectr. Lett. 10 (1989) 69

1. Optical absorption spectrum of Co2+ ions doped in sodium potassium sulphate single crystal

B.C. Venkata Reddy, **R. Rama Kumar** and P. Laxmi Narayana

Mat. Lett. 8 (1989) 375

1. Absorption spectrum of Cu2+ ions doped in ammonium aluminium sulphate single crystal

B.C. Venkata Reddy, B. Sasikala Devi, B. Munibhadrayya and **R. Rama Kumar**

Mat. Lett. 8 (1989) 256

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