

# DETAILS OF INDIVIDUAL TEACHERS ACHARYA NAGARJUNA UNIVERSITY

1. Name : Dr. V. RAVIKUKAR
2. Designation : PROFESSOR
3. Department : PHYSICS
5. Qualifications : M.Sc., B.Ed. , M. Phil., Ph. D.
6. Date of Birth : 28-08-1968
7. Date of Joining : 17-10-2006
8. Phones: (off): 08632346108 Cell: 9440201741
9. Email ID : [vrksurya@rediffmail.com](mailto:vrksurya@rediffmail.com), [vrksumsuch@gmail.com](mailto:vrksumsuch@gmail.com)
10. Academic Qualifications:
11. Title of Ph.D. Thesis :



Title of Thesis	University from which PhDs awarded	Awarded Year
Optical, electrical and elastic properties of certain rare earths doped ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses	Acharya Nagarjuna University	1997

## 12. Professional Career:

- Teaching Experience: 27 Years
- Administrative Experience: 15 Years
- Research Experience: 30 Years

## 13. Research Activities :

**Materials Science (Glass Physics), Solid State Physics (Dielectrics and electrical properties, Non-linear optics, Photoluminescence, ESR, IR, Raman Spectroscopy studies on glass and glass ceramic materials.**

## 14. Research Students Information (Awarded):

Guided Successfully		Presently Guiding	
Ph.D.	M.Phil	Ph.D	M.Phil
09	06	07	01

## 15. Professional Achievements:

I possess 27 years of experience in teaching and 30 years in research. Throughout my career, I have delivered various unique courses in Physics to both undergraduate and postgraduate students.

My research has been primarily focused on glass materials, exploring their applications in diverse fields such as lasers, optical fibers, display panels, insulators, battery materials, biomedical applications, and non-linear optical devices, among others. I am proud to have supervised and mentored a total of 10 Ph.D. and 6 M. Phil. students, all of whom exclusively conducted their research on glass materials under my guidance.

In addition to my teaching and mentoring roles, I have contributed significantly to the scientific community through the publication of over 150 research articles in highly esteemed, peer-reviewed journals. Furthermore, I hold membership in several prestigious professional scientific bodies, actively engaging in the advancement and dissemination of knowledge within the field of physics.

**16. No. of books published :01** Chapter DOI: 10.1515/9783110607871-005

Book Title: Luminescent Materials



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**17. No. of Research Papers published in peer reviewed journals: 159** with h-index: 33 and Citation Index: 3084 (as on Apr, 2023) (For details please see the Appendix)

Journals 159	
National (05)	International (154)
<p><b>With most of them having Thomson and Reuters I.F more than 2.0</b>  <b>(Q1 journals 82; Q2 Journals 56; Q3 Journals 10 and Q4 Journals 3)</b>  <b>(Q1 = top 25%; Q2 = top 50%; Q3 = top 75% and Q4 = top 100)</b>  <b>h-index: 33</b> and Citation Index: <b>3084</b> (as on Apr, 2023)</p>	

- **Number of National and International Conferences attended and presented papers: 65**

**18. Details Major/Minor Research Projects held/holding:**

Title and Sanction Order Particulars	Date of Project Sanctioned	Major/ Minor	Organization	Amount in Rs.
Fabrication and characterization of characteristic luminescent alkali/alkaline earth fluoroboro phosphate glass ceramic materials with some transition metal ions as nucleating agents for the applications in radiation dosimetry. (Co-PI) No. 2010/37C/30/BRNS	06-09-2010	Major	DAE-BRNS	20,55,000/-
Develop of TeO <sub>2</sub> based glass ceramics for non-linear optical devices. (PI) F.No. 37-3/2009 (SR)	12th June 2010	Major	UGC	9,45,800/-
DST-FIST MEMBER	2014-2017		DST	76,00,000/-
UGC-DSA 1 ,Member	2015-2020		UGC	1,18,50,000/-

### **19. Research Collaboration with the faculty of foreign Universities:**

I have been collaborative research work with the Professors from

- (i) Jan Dlugosz University, Poland
- (ii) Czestochowa University of Technology, Poland
- (iii) Opole Univ. of Technology, Poland
- (iv) RuđerBošković Institute, Zagreb, Croatia

### **20. Memberships of Professional bodies:**

- Associate Fellow of AP Academy of Sciences
- Life Member of Materials Research Society of India (MRSI)
- Life Member of The Indian Association of Physics Teachers
- Life Member of Luminescence Society of India

### **21. Academic Council/ BOS/Other Committee Members:**

- Coordinator, UG Examinations, ANU (2019 to 2020)
- Director- Central Lab, ANU-One Year (23-12-2020 to 22-12-2021)
- Head, Department of Physics, ANU- Two Years (5-01-2019 to 04-01-2021)
- Head, Department of Electronics and Instrumentation Technology, ANU-Two Years (05-01-2021 to 04-01-2023)
- Head, Department of Nano-Technology- Two Years (05-01-2017 to 04-01-2019)
- Chair Person, PG Board of Studies in Physics, ANU- Two Years (03-11-2020 to 02-11-2022).
- Chair Person, PG Board of Studies in Electronics and Instrumentation Technology, ANU- Two Years (12-11-2018 to 10-03-2021).
- Assistant Coordinator, ANU Help line Centre for web counseling for common entrance tests- Academic Year 2017-18.
- Assistant Coordinator, ANU Help line Centre for web counseling for common entrance tests- Academic Year 2020-21.
- University Representative to Academic council Maris stella college [Autonomous], vijayawada,
- University Representative to Academic council SRR & CVR Govt. Degree College [Autonomous], Vijayawada,
- University Representative to Academic council ANRcollege [Autonomous], Gudivada, Krishna District

**Signature of the Teacher**

**Publications of Prof. V. Ravi Kumar as on Nov, 2022**

Year	S. No.	Title, Authors & Journal of Publication	Thomson and Reuters Impact Factor	Quartile
		<b>Publications Summary of Prof. V. Ravi Kumar</b> <b>Total No. of Publications 155; h-index 32; total citations 2884 (Google CI)</b> <b>Q1 journals 83; Q2 Journals 52; Q3 Journals 10 and Q4 Journals 3(159)</b> <b>(Q1 = top 25%; Q2 = top 50%; Q3 = top 75% and Q4 = top 100)</b>		
	<a href="#">159</a>	Dynamical behavior of Ag ions on structural and dielectric features of As <sub>2</sub> O <sub>3</sub> glass ceramics containing chalcogenide oxides V. Suryanarayana, A. Venkata Sekhar, A. Bafti, L. Pavić, A. Siva Sessa Reddy, G. Naga Koti Reddy, N. Venkatramaiah, <b>V. Ravi Kumar</b> *, N. Veeraiah* <i>Journal of Non-Crystalline Solids</i> 610 (2023) 122299	4.458	Q1
	<a href="#">158</a>	Amplification of blue emission of Tm <sup>3+</sup> ions in Li <sub>2</sub> O-HfO <sub>2</sub> -SiO <sub>2</sub> glass system by means of Au <sup>0</sup> metallic particles Pilli Pavani Koteswari Devi, Ayyagari Venkata Sekhar, Valluri Ravi Kumar, Gnanamuthu Sahaya Baskaran, Nutalapati Venkatramaiah, <b>Vandana Ravi Kumar</b> *, Nalluri Veeraiah <i>Luminescence</i> 2023;1–12. DOI: 10.1002/bio.4468	2.464	Q2
	<a href="#">157</a>	The influence of Au <sub>2</sub> O <sub>3</sub> on insulating character of ZnO–P <sub>2</sub> O <sub>5</sub> –SeO <sub>2</sub> glass system: investigation by means of dielectric studies G Naga Koti Reddy, A Venkata Sekhar, L Pavić, A Bafti, Jana Pisk, A Siva Sessa Reddy, N Venkatramaiah, G Naga Raju, <b>V Ravi Kumar</b> , N Veeraiah <i>Applied Physics A</i> 129 (2023) 208	2.983	Q2
2023	<a href="#">156</a>	Synthesis and characterization of Ti-WO <sub>3</sub> films for electrochromic applications K. Pandurangarao, V. Chitti Babu <b>V. Ravi Kumar</b> * <i>Optical Materials</i> 136, (2023) 113381 <a href="https://doi.org/10.1016/j.optmat.2022.113381">https://doi.org/10.1016/j.optmat.2022.113381</a>	3.754	Q1
	<a href="#">155</a>	The role of modifier oxides on red emission of Eu <sup>3+</sup> ions in lithium antimonite glass system Valluri Ravi Kumar, N Purnachand, M Nagarjuna, G Sahaya Baskaran, <b>V. Ravi Kumar</b> , N Veeraiah <i>Journal of Non-Crystalline Solids</i> 600 (2023) 122036 <a href="https://doi.org/10.1016/j.jnoncrysol.2022.122036">https://doi.org/10.1016/j.jnoncrysol.2022.122036</a>	4.458	Q1
	<a href="#">154</a>	Dielectric features of Au <sub>2</sub> O <sub>3</sub> doped Li <sub>2</sub> O-SiO <sub>2</sub> glass system-influence of Pb <sub>3</sub> O <sub>4</sub> TVN Keerti Kut, A Bafti, J Pisk, L Pavić, A Venkata Sekhar, P Naresh, A Siva Sessa Reddy, G Naga Raju, <b>V. Ravi Kumar</b> , N Veeraiah <i>Journal of Non-Crystalline Solids</i> 599 (2023) 121954 <a href="https://doi.org/10.1016/j.jnoncrysol.2022.121954">https://doi.org/10.1016/j.jnoncrysol.2022.121954</a>	4.458	Q1
2022	<a href="#">153</a>	Luminescence efficiency of Sm <sup>3+</sup> ions in hafnia added lithium silicate glass system-the impact of Au <sup>0</sup> particles P. Pavani Koteswari Devi, Valluri Ravi Kumar A. Venkata Sekhar A. Siva Sessa Reddy N. Venkatramaiah, <b>V. Ravi Kumar</b> *, N. Veeraiah <i>Journal of Non-Crystalline Solids</i> 596 (2022) 121863. <a href="https://doi.org/10.1016/j.jnoncrysol.2022.121863">https://doi.org/10.1016/j.jnoncrysol.2022.121863</a>	4.458	Q1
	<a href="#">152</a>	Influence of nanosized defects on photoluminescence efficiency of Er <sup>3+</sup> ions co-doped with Au <sub>2</sub> O <sub>3</sub> in a lead boroselenate glass ceramic system: a novel approach using positron annihilation lifetime spectroscopy A. Siva Sessa Reddy, Marek Kostrzewa, Valluri Ravi Kumar, Adam Ingram, Nutalapati Venkatramaiah, G. Sahaya Baskaran, <b>V. Ravi Kumar</b> , N. Veeraiah <i>Journal of Luminescence</i> (2022) 117481 <a href="https://doi.org/10.1002/bio.4357">https://doi.org/10.1002/bio.4357</a>	2.613	Q2
	<a href="#">151</a>	Influence of Gold Nano Particles on Dielectric Features AC Conductivity and Dielectric Breakdown Strength of PbO-B <sub>2</sub> O <sub>3</sub> -SeO <sub>2</sub> : Ho <sub>2</sub> O <sub>3</sub> Glass Ceramics, A Siva Sessa Reddy, M Kostrzewa, N Purnachand, A Ingram, G Sahaya Baskaran, N Venkatramaiah, <b>V. Ravi Kumar</b> , N Veeraiah, <i>ECS J. Solid State Sci. and Tech.</i> 11 (2022) 083007.	2.07	Q2
	<a href="#">150</a>	Optical and luminescence properties of Er <sup>3+</sup> doped Sb <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-MO (M= Mg, Ca and Sr) glasses A Asirvadam, Valluri Ravi Kumar, M Nagarjuna, G Naga Raju, P Syam Prasad, G Sahaya Baskaran, <b>V. Ravi Kumar</b> , P Venkateswara Rao <i>Optical Materials</i> 128, (2022) 112422 <a href="https://doi.org/10.1016/j.optmat.2022.112422">https://doi.org/10.1016/j.optmat.2022.112422</a>	3.754	Q1
	<a href="#">149</a>	Investigation of the effect of Au <sub>2</sub> O <sub>3</sub> dopant on elastic properties of PbO-B <sub>2</sub> O <sub>3</sub> -SeO <sub>2</sub> : Er <sub>2</sub> O <sub>3</sub> glass ceramics by ultrasonic techniques, A.Siva Sessa Reddy, A.V.Kityk, J.Jedryka, P.Rakus, A.Wojciechowski, N.Venkatramaiah, V.Ravi Kumar, N.Veeraiah, <i>Journal of Non-Crystalline Solids</i> 583 (2022) 121465. <a href="https://doi.org/10.1016/j.jnoncrysol.2022.121465">https://doi.org/10.1016/j.jnoncrysol.2022.121465</a>	4.458	Q1
	<a href="#">148</a>	Dielectric dispersion impedance spectroscopy and polaron tunneling phenomenon in Au <sub>2</sub> O <sub>3</sub> mixed PbO-B <sub>2</sub> O <sub>3</sub> -SeO <sub>2</sub> : Er <sub>2</sub> O <sub>3</sub> glass ceramics, A Siva Sessa Reddy, M Kostrzewa, P Pavani Koteswari Devi, N Purnachand, A Ingram, N Venkatramaiah, <b>V. Ravi Kumar</b> , N Veeraiah, <i>Journal of Alloys and Compounds</i> , 904 (2022) 164069	6.371	Q1

	<a href="#">147</a>	The role of gold metallic particles on improving green and NIR emissions of Ho <sup>3+</sup> ions in non-conventional SeO <sub>2</sub> based glass ceramics A. Siva SessaReddy, N.Purnachand, M.Kostrzewa, M.G.Brik, N.Venkatramaiah, <b>V.RaviKumar</b> , N.Veeraiah, <i>Journal of Non-Crystalline Solids</i> <a href="#">576</a> (2022) 121240	4.458	Q1
	<a href="#">146</a>	The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions, A Siva Sessa Reddy, AV Kityk, J Jedryka, N Purnachand, P Rakus, A Wojciechowski, AS Andrushchak, <b>V. Ravi Kumar</b> , N Veeraiah <i>Optical Materials</i> 123, (2022)111858.	3.754	Q1
	<a href="#">145</a>	Characterization and coloration efficiency studies using cyclicvoltammetry and chronocoulometric methods on TiO <sub>2</sub> doped WO <sub>3</sub> nanocrystalline thin films K.Pandu Ranga Rao, V.Chitti Babu, <b>V. Ravi Kumar</b> , N.Veeraiah <i>Optik - International Journal for Light and Electron Optics</i> 249 (2022)168282	2.84	Q2
2021	<a href="#">144</a>	Influence of SeO <sub>2</sub> on in vitro bioactivity and antibacterial activity of CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -SrO glass system, B. Madhavi; A. Siva Sessa Reddy; P. Syam Prasad; Prakash Saudagar; P. Venkateswara Rao; <b>V. Ravi Kuma*</b> , N. Veeraiah, <i>Mater. Chem. Phys.</i> 278 (2022)125653	4.094	Q1
	<a href="#">143</a>	Nonlinear optical birefringence in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> amorphous system-influence of Cu ions A Siva Sessa Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, A Venkata Sekhar, <b>V Ravi Kumar</b> , N Veeraiah <i>Journal of Non-Crystalline Solids</i> <a href="#">572</a> (2021) 121111	4.458	Q1
	<a href="#">142</a>	In-vitro bioactivity and antibacterial properties of CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -SrO glass system-influence of Ta <sub>2</sub> O <sub>5</sub> , B.Madhavi, A.Siva Sessa Reddy, P.SyamPrasad, M.Mohanbabu P. RaghavaRao, <b>V.Ravi Kumar*</b> , N.Veeraiah, <i>Journal of Non-Crystalline Solids</i> <a href="#">566</a> (2021) 120881 <a href="https://doi.org/10.1016/j.jnoncrysol.2021.120881">doi.org/10.1016/j.jnoncrysol.2021.120881</a>	4.458	Q1
	<a href="#">141</a>	Study on the influence of gelation promoter on the structural and magnetic properties of cobalt ferrite nanoparticles developed through sol-gel method G. R. Patta, V. Chitti Babu, <b>V. Ravi Kumar*</b> , N. Veeraiah <i>Journal of Sol-Gel Science and Technology</i> 100 (2021)310	2.606	Q1
	<a href="#">140</a>	Third harmonic generation studies of 1.06 μm Nd: YAG laser beam in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> glass system-influence of CuO A Venkata Sekhar, A Siva Sessa Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, G Naga Raju, <b>V Ravi Kumar</b> , N Veeraiah, <i>Optical Materials</i> 118, (2021)111277	3.754	Q1
	<a href="#">139</a>	The impact of Nb <sub>2</sub> O <sub>5</sub> on in-vitro bioactivity and antibacterial activity of CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -SrO glass system, B Madhavi, A Siva Sessa Reddy, P Syam Prasad, A Prasad, P Pavani Koteswari Devi, <b>V Ravi Kumar</b> , N Veeraiah <i>Ceramics International</i> 47 ( 2021) 28328.	4.527	Q1
	<a href="#">138</a>	Influence of Ni ion site occupancy on laser induced third harmonic generation (THG) studies in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> amorphous system A Venkata Sekhar, A Siva Sessa Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, <b>V Ravi Kumar</b> , N Veeraiah <i>Ceramics International</i> 47(2021) 25249-25254	4.527	Q1
	<a href="#">137</a>	Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe <sub>2</sub> O <sub>3</sub> -Doped PbO-ZrO <sub>2</sub> -SiO <sub>2</sub> Glass Ceramics Ch Chandrakala, A Siva Sessa Reddy, M Kostrzewa, N Purnachand, N Venkatramaiah, G Naga Raju, <b>V Ravi Kumar</b> , Nalluri Veeraiah <i>Physica status solidi (a)</i> 218 (2021)2100071	1.981	Q2
	<a href="#">136</a>	Exploration of nano sized defects in Fe <sub>2</sub> O <sub>3</sub> doped lead zirconium silicate glass ceramics by using positron annihilation lifetime spectroscopy, M. Kostrzewa, A. Siva Sessa Reddy, A. Ingram, Anton Smirnov, <b>V. Ravi Kumar</b> , N. Veeraiah, <i>Ceramics International</i> 2021 47 ( 2021) 21785 <a href="https://doi.org/10.1016/j.ceramint.2021.04.195">https://doi.org/10.1016/j.ceramint.2021.04.195</a>	4.527	Q1
	<a href="#">135</a>	<a href="#">ZrxCa30-xP70 thermoluminescent bio glass, structure and elasticity</a> , N. Ch. Sriman Narayana Iyengar G. Anil Kumar, Y. Rambabu, Ravi Kumar Guntu, K. Sivaram, M. Sreenath Reddy, Ch. Srinivasa Rao, V. Venkatramu, <b>V. Ravi Kumar</b> <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 119 (2021) 104517.	3.902	Q1
	<a href="#">134</a>	Studies on near infrared emission of Yb <sup>3+</sup> ions in a SeO <sub>2</sub> based glass system, Pathuri Naresh, Valluri Ravi Kumar, A. Siva Sessa Reddy, M. Kostrzewa, N. Venkatramaiah, N. Krishna Mohan, <b>V. Ravi Kumar</b> , N. Veeraiah, <i>Physica B: Condensed Matter</i> 606 (2021) 412827, <a href="https://doi.org/10.1016/j.physb.2021.412827">doi.org/10.1016/j.physb.2021.412827</a>	2.436	Q2
	<a href="#">133</a>	Emission features of Er <sup>3+</sup> ions in an exotic SeO <sub>2</sub> based glass system, Pathuri Naresh, M. Kostrzewa, M.G. Brik, N. Venkatramaiah, Valluri Ravi Kumar, N. Krishna Mohan, <b>V. Ravi Kumar</b> , M. Piasecki, N. Veeraiah, <i>Journal of Non-Crystalline Solids</i> <a href="#">556</a> (2021) 120558 <a href="https://doi.org/10.1016/j.jnoncrysol.2020.120558">doi.org/10.1016/j.jnoncrysol.2020.120558</a>	4.458	Q1
	<a href="#">132</a>	<a href="#">Structure, and opto-dielectric investigations of Cu<sup>2+</sup> -doped calcium bismuth silicate glass ceramics</a> , Ravi Kumar Guntu, V.Venkatramu, Ch.Srinivasa Rao, <b>V.Ravi Kumar</b> , <i>Optical Materials</i> 113 (2020) 110876.	3.08	Q1

	<a href="#">131</a>	<a href="#">NIR luminescence features of Nd<sup>3+</sup> ion in lithium antimonite glass system</a> Valluri Ravi Kumar, N Purnachand, B Naveen Kumar Reddy, V Ravi Kumar, Y Gandhi, BV Ragavaiah, <i>Physica B: Condensed Matter</i> 600(2021)412519	2.436	Q2
2020	<a href="#">130</a>	Estimation of concentration of nano-sized voids ingrained in CuO doped lithium sulphophosphate amorphous system using positron annihilation spectroscopy, A. Venkata Sekhar, M. Kostrzewa, Valluri Ravi Kumar, A. Ingram, A. Siva Sesha Reddy, G. Naga Raju, V. Ravi Kumar, N. Veeraiah, <i>Optical Materials</i> 109 (2020) 110314, <a href="https://doi.org/10.1016/j.optmat.2020.110314">https://doi.org/10.1016/j.optmat.2020.110314</a>	3.08	Q1
	<a href="#">129</a>	Influence of nickel ion concentration on the free volume defects entrenched in an alkali sulphophosphate glass system by means of positron annihilation characterization technique AV Sekhar, A Ingram, VR Kumar, M Kostrzewa, ASS Reddy, GN Raju, V Ravi Kumar, N Veeraiah, <i>Journal of Non-Crystalline Solids</i> 547(2020)120315.	4.458	Q1
	<a href="#">128</a>	Influence of gold ions on visible and NIR luminescence features of Er <sup>3+</sup> ions in lead boroselenate glass ceramics, A Siva Sesha Reddy, G Lakshminarayana, N Purnachand, Valluri Ravi Kumar, N Venkatramaiah, V. Ravi Kumar, N Veeraiah <i>Journal of Luminescence</i> (2020) 117481 <a href="https://doi.org/10.1016/j.jlumin.2020.117481">10.1016/j.jlumin.2020.117481</a>	2.613	Q2
	<a href="#">127</a>	Third order nonlinear optical features of zirconia added lead silicate glass-ceramics embedded with Pb <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> perovskite crystal phases and role of Fe ions G. Lakshminarayana and N. Veeraiah Ch. Chandrakala, A. Siva Sesha Reddy, J. Jedryka, Valluri Ravi Kumar, G. Naga Raju, N. Venkatramaiah, V. Ravi Kumar <i>Applied Physics A</i> 125 (2019) 187	2.983	Q2
	<a href="#">126</a>	Studies on magnetron sputtered deposited nanocrystalline tungsten oxide films useful for electrochromic devices, K Pandurangarao, N Purnachand, V. RaviKumar* <i>Optical Materials</i> 101 (2020) 109791	3.08	Q1
	<a href="#">125</a>	Energy band structure and optical band gap calculations of AgSbO <sub>3</sub> photo-catalytic pyrochlore crystal phase embedded in Ag <sub>2</sub> O doped sodium antimonate glass ceramics J.Ashok, M.G.Brik, V. RaviKumar, N.Veeraiah, <i>Optik - International Journal for Light and Electron Optics</i> 206 (2020) 164345, doi: 10.1016/j.ijleo.2020.164345	2.84	Q2
	<a href="#">124</a>	Correlation studies between physical properties and concentration of voids entrenched in V <sub>2</sub> O <sub>5</sub> mixed lead bismuth silicate glass system by means of positron annihilation spectroscopy, T.Annapurna, M.Kostrzewa, A.Siva Sesha Reddy, A.Ingram, J.Ashok, V. RaviKumar, N.Veeraiah, <i>Vacuum</i> , 173 (2020) 109171, doi: 10.1016/j.vacuum.2020.109171	4.11	Q2
	<a href="#">123</a>	Nd <sup>3+</sup> -Doped Lead Boro Selenate Glass: A New Efficient System for Near-Infrared 1.06 μm Laser Emission, P. Naresh, M. Kostrzewa, M.G. Brik, A. Siva Sesha Reddy, N. Krishna Mohan, V. Ravi Kumar, M. Piasecki, N. Veeraiah <i>Physica Status Solidi (a)</i> 147 (2020) 2000602. doi:10.1002/pssa.202000602	1.981	Q2
	<a href="#">122</a>	A critical study on the magnetic properties of ultraine cobalt ferritenanoparticles synthesized by polyethylene glycol assisted sol-gel method, G. R. Patta, V. RaviKumar, B. V. Ragavaiah, N. Veeraiah, <i>Applied Physics A</i> , 126 (2020) 64 doi: 10.1007/s00339-019-3253-x	2.983	Q2
	<a href="#">121</a>	Polaronic conduction and dielectric relaxation dynamics in V <sub>2</sub> O <sub>5</sub> added lead bismuth silicate glass system, T Annapurna, M Kostrzewa, A Siva Sesha Reddy, A Ingram, J Ashok, V. RaviKumar, N Veeraia <i>Journal of Non-Crystalline Solids</i> , h528 (2020)119746	4.458	Q1
2019	<a href="#">120</a>	Optical and spectroscopic study as a tool to probe the role of modifier oxides on bioactive behavior of zirconia added sodium boro silicate glass system Y.Sudhakara, G.Sahaya Baskaran, V. RaviKumar, G.Little Flowerc, B.Deva Prasad Raju, <i>Optical Materials</i> (2019) 99 (2019) 109451.	3.08	Q1
	<a href="#">119</a>	Preparation and characterization of nanocrystalline tungsten oxide thin films for electrochromic devices: Effect of deposition parameters, K.Pandurangarao, V. RaviKumar* <i>Materials Today: Proceedings</i> doi.org/10.1016/j.matpr.2019.10.093	ISSN 2214-7853 0.694	
	<a href="#">118</a>	Bioactive behaviour of NiO substituted CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -BaO-P <sub>2</sub> O <sub>5</sub> glasses by means of spectroscopic studies, ChVijaya Kumari, Y.Gandhi, P.Sobhanachalam, A.Siva Sesha Reddy, N.Venkatramaiah, P.Venkateswara Rao, V. RaviKumar* <i>Optical Materials</i> (2019) 97 (2019) 109394.	3.08	Q1
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