**DETAILS OF INDIVIDUAL TEACHERS ACHARYA NAGARJUNA UNIVERSITY**



1. **Name : Dr. V. RAVI KUKAR**
2. **Designation : PROFESSOR**
3. **Department : PHYSICS**
4. **Qualifications : M.Sc., B.Ed. , M. Phil., Ph. D.**
5. **Date of Birth : 28-08-1968**
6. **Date of Joining : 17-10-2006**
7. **Phones: (off): 08632346108 Cell: 9440201741**
8. **Email ID :** [**vrksurya@rediffmail.com**](mailto:vrksurya@rediffmail.com)**,** [**vrksumsuch@gmail.com**](mailto:vrksumsuch@gmail.com)
9. **Academic Qualifications:**
10. **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 ZnF2-PbO-TeO2 glasses | Acharya Nagarjuna  University | 1997 |

1. **Professional Career:**
   * **Teaching Experience: 27 Years**
   * **Administrative Experience: 15 Years**
   * **Research Experience: 30 Years**
2. **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.

1. **Research Students Information (Awarded):**

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

1. **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.

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

Book Title: Luminescent Materials



1. **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)** |
| **With most of them having Thomson and Reuters I.F more than 2.0**  (**Q1 journals 82; Q2 Journals 56; Q3 Journals 10 and Q4 Journals 3)**  **(Q1 = top 25%; Q2 = top 50%; Q3 = top 75% and Q4 = top 100)**  **h-index: 33** and Citation Index: **3084** (as on Apr, 2023) | |

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

1. **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 TeO2 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/- |

1. **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) RuđerBoˇskovi´c Institute, Zagreb, Croatia

1. **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
2. **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

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| --- | --- | --- | --- | --- |
| **Publications of Prof. V. Ravi Kumar as on Nov, 2022** | | |  |  |
| **Year** | **S. No.** | **Title, Authors & Journal of Publication**  **Publications Summary of Prof. V. Ravi Kumar**  **Total No. of Publications 155; h-index 32; total citations 2884 (Google CI)**  **Q1 journals 83; Q2 Journals 52; Q3 Journals 10and Q4 Journals 3(159)**  **(Q1 = top 25%; Q2 = top 50%; Q3 = top 75% and Q4 = top 100)** | Thomson and Reuters **Impact Factor** | Quartile  2019-2020 |
|  | 159 | Dynamical behavior of Ag ions on structural and dielectric features of As2O3 glass ceramics containing chalcogenide oxides V. Suryanarayana, A. Venkata Sekhar, A. Bafti, L. Pavi´c, A. Siva Sesha Reddy, G. Naga Koti Reddy, N. Venkatramaiah, **V. Ravi Kumar \*,** N. Veeraiah\*  ***Journal of Non-Crystalline Solids*** 610 (2023) 122299 | 4.458 | Q1 |
|  | 158 | Amplification of blue emission of Tm3+ ions in Li2O‐HfO2‐SiO2 glass system by means of Au0 metallic particles Pilli Pavani Koteswari Devi, Ayyagari Venkata Sekhar, Valluri Ravi Kumar, Gnanamuthu Sahaya Baskaran, Nutalapati Venkatramaiah,  **Vandana Ravi Kuma\*,** Nalluri Veeraiah ***Luminescence*** 2023;1–12. DOI: 10.1002/bio.4468 | 2.464 | Q2 |
|  | 157 | [The influence of Au2O3 on insulating character of ZnO–P2O5–SeO2 glass system: investigation by means of dielectric studies](https://link.springer.com/article/10.1007/s00339-023-06422-6) G Naga Koti Reddy, A Venkata Sekhar, L Pavić, A Bafti, Jana Pisk, A Siva Sesha Reddy, N Venkatramaiah, G Naga Raju, **V Ravi Kumar**, N Veeraiah  ***Applied Physics A*** 129 (2023) 208 | 2.983 | Q2 |
| **2023** | 156 | Synthesis and characterization of Ti-WO3 films for electrochromic applications  K. Pandurangarao, V. Chitti Babu **V. Ravi Kuma\*** ***Optical Materials*** 136, (2023) 113381  <https://doi.org/10.1016/j.optmat.2022.113381> | 3.754 | Q1 |
|  | 155 | [The role of modifier oxides on red emission of Eu3+ ions in lithium antimonite glass system](https://www.sciencedirect.com/science/article/pii/S0022309322006305) Valluri Ravi Kumar, N Purnachand, M Nagarjuna, G Sahaya Baskaran, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), N Veeraiah ***Journal of Non-Crystalline Solids*** <600> (2023) 122036 <https://doi.org/10.1016/j.jnoncrysol.2022.122036> | 4.458 | Q1 |
|  | 154 | [Dielectric features of Au2O3 doped Li2O-SiO2 glass system-influence of Pb3O4](https://www.sciencedirect.com/science/article/pii/S002230932200549X) TVN Keerti Kut, A Bafti, J Pisk, L Pavić, A Venkata Sekhar, P Naresh, A Siva Sesha Reddy, G Naga Raju, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), N Veeraiah  ***Journal of Non-Crystalline Solids*** [599](%20599) (2023) 121954 <https://doi.org/10.1016/j.jnoncrysol.2022.121954> | 4.458 | Q1 |
| **2022** | 153 | Luminescence efficiency of Sm3+ ions in hafnia added lithium silicate glass system-the impact of Au0 particles P. Pavani KoteswariDevi, Valluri RaviKumar A. VenkataSekhar A. Siva SeshaReddy N.Venkatramaiah, **V. Ravi Kuma\*,** N.Veeraiah ***Journal of Non-Crystalline Solids***   [596](%20596) (2022) 121863. <https://doi.org/10.1016/j.jnoncrysol.2022.121863> | 4.458 | Q1 |
|  | 152 | Influence of nanosized defects on photoluminescence efficiency of Er3+ ions co-doped with Au2O3 in a lead boroselenate glass ceramic system: a novel approach using positron annihilation lifetime spectroscopy [A. Siva Sesha Reddy](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Siva+Sesha+Reddy%2C+Annapureddy), [Marek Kostrzewa](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Kostrzewa%2C+Marek), [Valluri Ravi Kumar](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Valluri), [Adam Ingram](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ingram%2C+Adam), [Nutalapati Venkatramaiah](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Venkatramaiah%2C+Nutalapati), [G. Sahaya Baskaran](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Sahaya+Baskaran%2C+Gnanamuthu),[**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), [N. Veeraiah](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Veeraiah%2C+Nalluri) ***Journal of Luminescence (2022)*** 117481 [**https://doi.org/10.1002/bio.4357**](https://doi.org/10.1002/bio.4357) | 2.613 | Q2 |
|  | 151 | [Influence of Gold Nano Particles on Dielectric Features AC Conductivity and Dielectric Breakdown Strength of PbO-B2O3-SeO2: Ho2O3 Glass Ceramics](https://iopscience.iop.org/article/10.1149/2162-8777/ac869d/meta), A Siva Sesha Reddy, M Kostrzewa, N Purnachand, A Ingram, G Sahaya Baskaran, N Venkatramaiah, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), N Veeraiah, ***ECS J. Solid State Sci. and Tech***. 11 (2022) 083007. | 2.07 | Q2 |
|  | 150 | [Optical and luminescence properties of Er3+ doped Sb2O3–Li2O‒MO (M= Mg, Ca and Sr) glasses](https://www.sciencedirect.com/science/article/pii/S0925346722004566) A Asirvadam, Valluri Ravi Kumar, M Nagarjuna, G Naga Raju, P Syam Prasad, G Sahaya Baskaran, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), P Venkateswara Rao  ***Optical Materials*** [128](https://www.sciencedirect.com/science/journal/09253467/118/supp/C), (2022) 112422 <https://doi.org/10.1016/j.optmat.2022.112422> | 3.754 | Q1 |
|  | 149 | Investigation of the effect of Au2O3 dopant on elastic properties of PbO-B2O3-SeO2: Er2O3 glass ceramics by ultrasonic techniques, [A.Siva Sesha Reddy](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [A.V.Kityk](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [J.Jedryka](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [P.Rakus](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [A.Wojciechowski](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [N.Venkatramaiah](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [V.Ravi Kumar](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), [N.Veeraiah](https://www.sciencedirect.com/science/article/abs/pii/S0022309322000746#!), ***Journal of Non-Crystalline Solids***   [583](https://www.sciencedirect.com/science/journal/00223093/566/supp/C) (2022) 121465. <https://doi.org/10.1016/j.jnoncrysol.2022.121465> | 4.458 | Q1 |
|  | 148 | [Dielectric dispersion impedance spectroscopy and polaron tunneling phenomenon in Au2O3 mixed PbO-B2O3-SeO2: Er2O3 glass ceramics](https://www.sciencedirect.com/science/article/pii/S0925838822004601), A Siva Sesha Reddy, M Kostrzewa, P Pavani Koteswari Devi, N Purnachand, A Ingram, N Venkatramaiah, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), N Veeraiah,  ***Journal of Alloys and Compounds***, 904 (2022) 164069 | 6.371 | Q1 |
|  | 147 | The role of gold metallic particles on improving green and NIR emissions of Ho3+ ions in non-conventional SeO2 based glass ceramics [A. Siva SeshaReddy,](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013" \l "!) [N.Purnachand](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013#!), [M.Kostrzewa](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013#!), [M.G.Brik](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013#!), [N.Venkatramaiah](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013#!), [**V.RaviKumar,**](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013#!) [N.Veeraiah](https://www.sciencedirect.com/science/article/abs/pii/S0022309321006013" \l "!), ***Journal of Non-Crystalline Solids***   [576](https://www.sciencedirect.com/science/journal/00223093/566/supp/C) (2022) 121240 | 4.458 | Q1 |
|  | 146 | [The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions](https://www.sciencedirect.com/science/article/pii/S0925346721010582), A Siva Sesha Reddy, AV Kityk, J Jedryka, N Purnachand, P Rakus, A Wojciechowski, AS Andrushchak, [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), N Veeraiah  ***Optical Materials*** [123](https://www.sciencedirect.com/science/journal/09253467/118/supp/C), (2022)111858. | 3.754 | Q1 |
|  | 145 | Characterization and coloration efficiency studies using cyclicvoltammetry and chronocoulometric methods on TiO2 doped WO3 nanocrystalline thin films  [K.Pandu Ranga Rao](https://www.sciencedirect.com/science/article/abs/pii/S0030402621018015#!), [V.Chitti Babu](https://www.sciencedirect.com/science/article/abs/pii/S0030402621018015#!), [**V. Ravi Kumar**](https://analyticalsciencejournals.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ravi+Kumar%2C+Vandana), [N.Veeraiah](https://www.sciencedirect.com/science/article/abs/pii/S0030402621018015#!)  [***Optik - International Journal for Light and Electron Optics*** 249](https://www.sciencedirect.com/science/journal/00304026/249/supp/C) (2022)168282 | 2.84 | Q2 |
| **2021** | 144 | Influence of SeO2 on in vitro bioactivity and antibacterial activity of CaF2 –CaO–B2O3–P2O5 –SrO glass system, B. Madhavi; A. Siva Sesha Reddy; P. Syam Prasad; Prakash Saudagar; P. Venkateswara Rao; **V. Ravi Kuma\*,** N. Veeraiah,  ***Mater. Chem. Phys***. 278 (2022)125653 | 4.094 | Q1 |
|  | 143 | [Nonlinear optical birefringence in Li2SO4-MgO-P2O5 amorphous system-influence of Cu ions](https://www.sciencedirect.com/science/article/pii/S0022309321004749) A Siva Sesha Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, A Venkata Sekhar, **V Ravi Kumar**, N Veeraiah  ***Journal of Non-Crystalline Solids***   [572](https://www.sciencedirect.com/science/journal/00223093/566/supp/C) (2021) 121111 | 4.458 | Q1 |
|  | 142 | In-vitro bioactivity and antibacterial properties of CaF2‒CaO‒B2O3‒P2O5–SrO glass system-influence of Ta2O5, B.Madhavi, A.Siva Sesha Reddy, P.SyamPrasad, M.Mohanbabu P. RaghavaRao, **V.Ravi Kumar\***, N.Veeraiah, ***Journal of Non-Crystalline Solids***    [566](https://www.sciencedirect.com/science/journal/00223093/566/supp/C) (2021) 120881 [doi.org/10.1016/j.jnoncrysol.2021.120881](https://doi.org/10.1016/j.jnoncrysol.2021.120881) | 4.458 | Q1 |
|  | 141 | 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](https://link.springer.com/article/10.1007/s10971-021-05647-2#auth-G__R_-Patta), [V. Chitti Babu](https://link.springer.com/article/10.1007/s10971-021-05647-2#auth-V__Chitti-Babu), [**V. Ravi Kumar**](https://link.springer.com/article/10.1007/s10971-021-05647-2#auth-V__Ravi-Kumar)**\*** , [N. Veeraiah](https://link.springer.com/article/10.1007/s10971-021-05647-2#auth-N_-Veeraiah) [***Journal of Sol-Gel Science and Technology***](https://academic-accelerator.com/Journal-Abbreviation/Journal-of-Sol-Gel-Science-and-Technology) 100 (2021)310 | 2.606 | Q1 |
|  | 140 | [Third harmonic generation studies of 1.06 μm Nd: YAG laser beam in Li2SO4–MgO–P2O5 glass system-influence of CuO](https://www.sciencedirect.com/science/article/pii/S092534672100478X) A Venkata Sekhar, A Siva Sesha Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, G Naga Raju, **V Ravi Kumar,** N Veeraiah,  ***Optical Materials*** [118](https://www.sciencedirect.com/science/journal/09253467/118/supp/C), (2021)111277 | 3.754 | Q1 |
|  | 139 | [The impact of Nb2O5 on in-vitro bioactivity and antibacterial activity of CaF2–CaO–B2O3–P2O5–SrO glass system](https://www.sciencedirect.com/science/article/pii/S0272884221020071), B Madhavi, A Siva Sesha Reddy, P Syam Prasad, A Prasad, P Pavani Koteswari Devi, **V Ravi Kumar**, N Veeraiah ***Ceramics International***  47 ( 2021) 28328. | 4.527 | Q1 |
|  | 138 | [Influence of Ni ion site occupancy on laser induced third harmonic generation (THG) studies in Li2SO4-MgO-P2O5 amorphous system](https://www.sciencedirect.com/science/article/pii/S027288422101645X) A Venkata Sekhar, A Siva Sesha Reddy, AV Kityk, J Jedryka, P Rakus, A Wojciechowski, **V Ravi Kumar**, N Veeraiah  ***Ceramics International***  [47](https://www.sciencedirect.com/science/journal/02728842/47/18)(2021) 25249-25254 | 4.527 | Q1 |
|  | 137 | [Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe2O3‐Doped PbO–ZrO2–SiO2 Glass Ceramics](https://onlinelibrary.wiley.com/doi/abs/10.1002/pssa.202100071) Ch Chandrakala, A Siva Sesha Reddy, M Kostrzewa, N Purnachand, N Venkatramaiah, G Naga Raju, **V Ravi Kumar**, Nalluri Veeraiah ***Physica status solidi (a)*** 218 (2021)2100071 | 1.981 | Q2 |
|  | 136 | Exploration of nano sized defects in Fe2O3 doped lead zirconium silicate glass ceramics by using positron annihilation lifetime spectroscopy, M. Kostrzewa, A. Siva Sesha Reddy, A. Ingram, Anton Smirnov, **V. Ravi Kumar**, N. Veeraiah, ***Ceramics International*** 2021  47 ( 2021) 21785 **https://doi.org/10.1016/j.ceramint.2021.04.195** | 4.527 | Q1 |
|  | 135 | [ZrxCa30-xP70 thermoluminescent bio glass, structure and elasticity](https://www.sciencedirect.com/science/article/pii/S1751616121002022), N. Ch. Sriman Narayana Iyengar G. Anil Kumar, Y. Rambabu, Ravi Kumar Guntu, K. Sivaram, M. Sreenath Reddy, Ch. Srinivasa Rao, V. Venkatramu, **V. Ravi Kumar *Journal of the Mechanical Behavior of Biomedical Materials*** *119 (2021)* 104517. | 3.902 | Q1 |
|  | 134 | Studies on near infrared emission of Yb3+ ions in a SeO2 based glass system, Pathuri Naresh, Valluri Ravi Kumar, A. Siva Sesha Reddy, M. Kostrzewa, N. Venkatramaiah, N. Krishna Mohan, **V. Ravi Kumar,** N. Veeraiah**, *Physica B: Condensed Matter*** 606 (2021) 412827, doi.org/10.1016/j.physb.2021.412827 | 2.436 | Q2 |
|  | 133 | Emission features of Er3+ ions in an exotic SeO2 based glass system, Pathuri Naresh, M. Kostrzewa, M.G. Brik, N. Venkatramaiah, Valluri Ravi Kumar, N. Krishna Mohan, **V. Ravi Kumar,** M. Piasecki, N. Veeraiah**, *Journal of Non-Crystalline Solids*** [556](https://www.sciencedirect.com/science/journal/00223093/556/supp/C) (2021) 120558 doi.org/10.1016/j.jnoncrysol.2020.120558 | 4.458 | Q1 |
|  | 132 | [Structure, and opto-dielectric investigations of Cu2+ -doped calcium bismuth silicate glass ceramics](https://www.sciencedirect.com/science/article/pii/S092534672100077X), [Ravi Kumar Guntu](https://www.sciencedirect.com/science/article/abs/pii/S092534672100077X#!), [V.Venkatramu](https://www.sciencedirect.com/science/article/abs/pii/S092534672100077X#!), Ch.Srinivasa Rao, **V.Ravi Kumar, *Optical Materials*** 113 (2020) 110876. | 3.08 | Q1 |
|  | 131 | [NIR luminescence features of Nd3+ ion in lithium antimonite glass system](https://www.sciencedirect.com/science/article/pii/S0921452620305196)  Valluri Ravi Kumar, N Purnachand, B Naveen Kumar Reddy, **V Ravi Kumar**, Y Gandhi, BV Ragavaiah,  ***Physica B: Condensed Matter 600(2021)412519*** | 2.436 | Q2 |
| **2020** | 130 | 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, ***Optical Materials*** 109 (2020) 110314, https://doi.org/10.1016/j.optmat.2020.110314 | 3.08 | Q1 |
|  | 129 | [Influence of nickel ion concentration on the free volume defects entrenched in an alkali sulphophosphate glass system by means of positron annihilation characterization technique](javascript:void(0)) AV Sekhar, A Ingram, VR Kumar, M Kostrzewa, ASS Reddy, GN Raju, **V Ravi Kumar**, N Veeraiah, ***Journal of Non-Crystalline Solids*** 547(2020)120315. | 4.458 | Q1 |
|  | 128 | [Influence of gold ions on visible and NIR luminescence features of Er3+ ions in lead boroselenate glass ceramics](https://www.sciencedirect.com/science/article/pii/S0022231320308978), A Siva Sesha Reddy, G Lakshminarayana, N Purnachand, Valluri Ravi Kumar, N Venkatramaiah, [**V. Ravi Kumar**](https://www.sciencedirect.com/science/article/abs/pii/S0925346719304094?dgcid=rss_sd_all#!), N Veeraiah  ***Journal of Luminescence (2020)*** 117481[10.1016/j.jlumin.2020.117481](https://doi.org/10.1016/j.jlumin.2020.117481) | 2.613 | Q2 |
|  | 127 | Third order nonlinear optical features of zirconia added lead silicate glass-ceramics embedded with Pb2Fe2O5 ¬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**  ***Applied Physics A*** 125 (2019) 187 | 2.983 | Q2 |
|  | 126 | [Studies on magnetron sputtered deposited nanocrystalline tungsten oxide films useful for electrochromic devices](https://www.sciencedirect.com/science/article/pii/S0925346720301427), K Pandurangarao, N Purnachand, [**V. RaviKumar**](https://www.sciencedirect.com/science/article/abs/pii/S0925346719304094?dgcid=rss_sd_all#!)**\*  *Optical Materials*** 101 (2020) 109791 | 3.08 | Q1 |
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