### LIST OF THE PUBLISHED WORK

**A. IN JOURNALS:**

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<td>1.</td>
<td><strong>Determination of the density of localized states in ((\text{Ge}<em>{20}\text{Se}</em>{80})<em>{0.90}\text{Sn}</em>{0.10}) glassy alloy</strong></td>
<td>R. Singh, S. K. Tripathi and S. Kumar</td>
<td>J. Optoelectronics &amp; Advanced Materials, 8 (2006) 1345.</td>
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<td>5.</td>
<td><strong>High Field Conduction in Thin Films of (\text{a-(Ge}<em>{20}\text{Se}</em>{80})<em>{100-x}\text{Pb}</em>{x}) Glassy Alloys</strong></td>
<td>R. Singh and S. Kumar</td>
<td>Turkish Journal of Physics, 32 (2008) 291.</td>
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<td><strong>Space Charge Limited Conduction in Thin Films of (\text{a-(Ge}<em>{20}\text{Se}</em>{80})<em>{100-x}\text{Cu}</em>{x}) Glassy Alloys</strong></td>
<td>R. Singh and S. Kumar</td>
<td>PRAMANA, (Accepted for revision).</td>
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<td>7.</td>
<td><strong>High Field Conduction in Thin Films of (\text{a-(Ge}<em>{20}\text{Se}</em>{80})<em>{100-x}\text{Bi}</em>{x}) Glassy Alloys</strong></td>
<td>R. Singh and S. Kumar</td>
<td>J. Optoelectronics &amp; Advanced Materials, (Communicated).</td>
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<td>8.</td>
<td><strong>High Field Conduction in Thin Films of (\text{a-Te}<em>{80-x}\text{Se}</em>{20}\text{Sb}_{x}) Glassy Alloys</strong></td>
<td>R. Singh and S. Kumar</td>
<td>J. Optoelectronics &amp; Advanced Materials, (Communicated).</td>
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<td>9.</td>
<td><strong>Temperature and Composition Dependence of Photoconductivity in Amorphous (\text{Se}<em>{80-x}\text{Te}</em>{20}\text{Sb}_{x}) Thin Films</strong></td>
<td>R. Singh, S. Shukla and S. Kumar</td>
<td>J. of Non-oxide glasses, (Communicated).</td>
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### B. IN SEMINAR / CONFERENCE / SYMPOSIUM:

| 1. | Determination of the density of localized states in \((\text{Ge}_{20}\text{Se}_{80})_{0.90}\text{Sn}_{0.10}\) glassy alloy  
R. Singh, S. K. Tripathi and S. Kumar  
Fifteenth National symposium & Workshop on Thermal Analysis (THERMANS), February-2006, Deptt. of Physics, Univ. of Rajasthan, Jaipur. |
| 2. | Effect of Sn Incorporation in the Density of Defect States in \(a\text{-Se}_{85}\text{Te}_{15}\) Thin Films  
R. Singh, S. P. Singh and S. Kumar  
Seventeenth Annual General Meeting of MRSI, February-2006, Deptt. of Physics, Univ. of Lucknow, Lucknow. |
| 3. | Space Charge Limited Conduction in \(a\text{-}(\text{Ge}_{20}\text{Se}_{80})_{1-x}\text{Sn}_x\) Thin Films  
R. Singh, S. K. Tripathi and S. Kumar  
National Conference on Recent Advances in Material Science (RAMS-2006), September-2006, Deptt. of Physics, Kurukshetra Univ., Kurukshetra. |
| 4. | Role of Pb additive in the Density of Localized States in \(a\text{-Ge}_{20}\text{Se}_{80}\) glassy alloy  
R. Singh, S. K. Tripathi and S. Kumar  
National symposium on semiconductor materials and recent technologies (SMART), October-2006, Deptt. of Physics, B. M. A. S. Engineering College, Agra. |
| 5. | Role of Cu additive in the Density of Localized States in \(a\text{-Ge}_{20}\text{Se}_{80}\) glassy alloy  
R. Singh, N. Sharma, S. P. Singh, S. K. Tripathi and S. Kumar  
| 6. | Space Charge Limited Conduction in Thin Films of \(a\text{-}(\text{Ge}_{20}\text{Se}_{80})_{100-x}\text{Pb}_x\) Glassy Alloys  
R. Singh, S. K. Tripathi and S. Kumar  
51st DAE Solid State Physics Symposium, December-2006, Deptt. of Physics, Barkatullah University, Bhopal. |
| 7. | High Field Conduction in Thin Films of \(a\text{-}(\text{Ge}_{20}\text{Se}_{80})_{100-x}\text{Cu}_x\) Glassy Alloys  
R. Singh, A. Dwivedi, S. P. Singh and S. Kumar  
2nd National Conference on Condensed Matter and Material Physics, February-2007, Deptt. of Physics, Univ. of Rajasthan, Jaipur. |
| 8. | Effect of Bismuth incorporation on the density of defect states in \(a\text{-Ge}_{20}\text{Se}_{80}\) glassy alloy  