# Curriculum Vitae

# INTIKHAB AALAM ANSARI

Department of Physics & Astronomy

College of Science [intikhabansari@yahoo.com](mailto:intikhabansari@yahoo.com)

P. O. Box 2455 <http://sites.google.com/site/intikhabansari/>

King Saud University <http://www.researcherid.com/rid/A-6368-2010>

Riyadh-11451

Saudi Arabia

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| **PERSONAL DETAILS** |

Current Position: *Assistant Professor*

* **Gender** Male
* **Nationality** Indian
* **Languages known** English (*fluent*), Hindi (native) & Urdu (native)
* **Marital Status** Married, son-1

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| **RESEARCH INTERESTS** |

* Synthesis of high temperature superconductors through solid state reaction
* Electrical and magnetic properties of high temperature superconductors
* Substitution effect of nano- transition metal oxide on high temperature superconductors
* Phase identification and microstructure analysis of high temperature superconductors
* Study of fluctuation induced conductivity of high temperature superconductors

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| **PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS** |

1. **Intikhab A. Ansari, M. Shahabuddin, Nasser Saleh Alzayed,** *“Enhancement of critical current density for nano (n)-ZnO doped MgB2 superconductor”*, (Communicated).
2. **Intikhab A. Ansari**, M. Shahabuddin, Nasser Saleh Alzayed,“*Comparison of the critical current density of a polycrystalline MgB2 superconductor by ac-susceptibility and Bean's model”*Physica Scripta,Vol 84, Issue 6, pp. 065701-5, **2011**[doi:10.1088/0031-8949/84/06/065701](http://iopscience.iop.org/1402-4896/84/6/065701/) **(Impact factor 0.985) ISI/SCOPUS Cited Publication.**
3. **Intikhab. A. Ansari***, "Reply to the comment from Mamedov",* Physica C: Superconductivity and its applications, Vol. 470, Issue 22, pp. 2078, **2010** Elsevier Publisher, *DOI:10.1016/j.physc.2010.08.012* **(Impact factor 1.407) ISI/SCOPUS Cited Publication**
4. **Intikhab. A. Ansari***, "Numerical solution of Bloch-Gruneisen function to determine the contribution of electron-phonon interaction in polycrystalline MgB2 superconductor",* Physica C: Superconductivity and its applications, Vol. 470, Issue 11-12, pp. 508-510, **2010** Elsevier Publisher, *DOI: 10.1016/j.physc.2010.04.012* **(Impact factor 1.407) ISI/SCOPUS Cited Publication**
5. **Intikhab A. Ansari**, M. Shahabuddin, Nasser Saleh Alzayed, Arpita Vajpayee, V.P.S. Awana and H. Kishan, *"Enhancement of activation energy in nano diamond doped MgB2 superconductor"*, Physica C: Superconductivity and its applications, Vol. 470, Issue (7-8), pp. 369-372, **2010** Elsevier Publisher, *DOI: 10.1016/j.physc.2010.02.017*  **(Impact factor 1.407) ISI/SCOPUS Cited Publication**
6. **Intikhab A. Ansari**, M. Shahabuddin, M. Husain, Arpita Vajpayee, V. P. S. Awana and H. Kishan , *“Study of Fluctuation induced conductivity of nano diamond doped bulk MgB2 superconductor”*, International Journal of Nano and Biomaterials, Vol. 2, Issues 1-5, pp. 240-248, **2009** Inderscience Publishers, *DOI: 10.1504/IJNBM.2009.027718* **ISI/SCOPUS Cited Publication**
7. *K. P. Singh,* **Intikhab A. Ansari**, M. Shahabuddin, M. Husain,  H. Kishan and V. P. S. Awana, , *“Comparisons for the resistivity behaviors of different encapsulated MgB2 samples”*, Cryogenics Vol. 47, Issues 9-10, pp. 497-500, **2007** Elsevier Publisher, *http://www.sciencedirect.com/scidirimg/clear.gifDOI: 10.1016/j.cryogenics.2007.05.003* **(Impact factor 0.981) ISI/SCOPUS Cited Publication**
8. **Intikhab A. Ansari**, M. Shahabuddin, Khalil A Ziq, A. F. Salem, V.P.S. Awana, M. Husain and  H. Kishan *“The Effect of nano-alumina on structural and magnetic properties of MgB2 superconductor”*, Superconductor Science & Technology Vol. 20, Issue 8, pp. 827-831, **2007** Institute of Physics Publishing,[*DOI:10.1088/0953-2048/20/8/018*](http://cat.inist.fr/?aModele=afficheN&cpsidt=18978605)**(Impact factor 2.547) ISI/SCOPUS Cited Publication**
9. **Intikhab A. Ansari**, V. P. S. Awana, Rajeev Rawat, M. Shahabuddin, M. Husain,  H. Kishan and A.V. Narlikar,  *“Fluctuation induced conductivity of polycrystalline MgB2 superconductor”*, Journal of Material Science Vol. 42, Issue 15, pp. 6306-6309, **2007** Springer Publisher*,*[*DOI:10.1007/s10853-006-1174-5*](http://adsabs.harvard.edu/abs/2007JMatS..42.6306A)**(Impact factor 1.581) ISI/SCOPUS Cited Publication**
10. **Intikhab A. Ansari**, K. P. Singh, M. Shahabuddin, M. Husain and A. Gupta, *“Computational interfacing of resistivity of high temperature superconductor using Visual Basic Program”*, Indian Journal of Pure & Applied Physics Vol. 43, Issue 6, pp. 439-445, June **2005** NISCAIR Publication **(Impact factor 0.340) ISI/SCOPUS Cited Publication**

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| **PAPERS PUBLISHED IN REFEREED PROCEEDINGS** |

1. Kh. A. Ziq, M. Shahabuddin, **I. Ansari**, A. F. Salem, K. Singh, H. Kishan "Effects of Al2O3 Nano-Particles on the Irreversible Properties of MgB2 Superconductor", AIP conference Proceeding, 929, 143-146 (**2007**). **ISI/SCOPUS Cited Publication**

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| **BOOK CHAPTERS** |

Book Name: Advanced Organic-Inorganic Composites: Materials, Devices and Allied Applications

Chapter Name: Basic Properties of High Temperature Superconductors and Its Applications (Chapter-20)

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