

**Dr. Debasish Biswas, M.Sc (Physics with specialization in Electronics), Ph D  
Associate Professor**

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**Address:** "Nirmalya", 4 J N Das Path, Kabiguru 2<sup>nd</sup> P.O- Durgapur, A-Zone, West Burdwan,  
Pin-713216

Mob: (0343) 2568618, (Mob. No.-9434538568)  
E-Mail: biswas.babu63@gmail.com

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### **Education:**

- Ph.D. in **Low Temperature Physics**(2006), Burdwan University
  - Title of the thesis: "**Characterization and transport properties of Thin Films and disordered alloys**"
  
  - M.Sc. in **Physics (1983-'85), Calcutta University**
  - Specialization: **Electronics**
  
  - B.Sc. in **Physics**(1980 - '83) **Ramkrishna Mission Vidyamandir, Belur Math, Calcutta University**
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### **Area of Interest:**

Physics & Electronics

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### **Teaching Experience:**

Bankura Christian College since 04/12/1987 (date of joining)

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### **Research Publications**

- [1] Transport properties of Iron Nitride Films Prepared by Ion Beam Assisted Deposition: D. Biswas et.al., Solid State Commun. 108 (1998), pp. 977 – 982.
- [2] Anomalous temperature coefficient of electrical resistivity of disordered  $V_{1-x}Al_x$  and  $V_{1-x}Al_{x-y}Fe_y$  alloys: D. Biswas et. al., Physics Letters A 324 (2004), pp 56-60.
- [3] Anomalous Transport Properties of Tantalum Nitride Thin Films Prepared by Ion Beam Assisted Deposition, D. Biswas et.al., Solid State Commun. 131/7 (2004), pp. 479-484.
- [4] Weak Localization and Electron-electron Interaction in Disordered  $V_{80}Al_{20-x}Fe_x$  Alloys at Low Temperature. D. Biswas et.al., Phys. Lett. A 328/4-5 (2004), pp. 380-386.
- [5] Quadratic Temperature Dependence of Electron-Phonon Scattering in Disordered  $V_{1-x}Pd_x$  Alloys, D. Biswas et.al., Solid State Commun. 134/3 (2005), pp. 223-228.
- [6] Electron Phonon Scattering in a Disordered  $Ti_{41}V_{41}Al_{18}$  Alloy D.Biswas et.al., Jpn. J. Appl. Phys. 44 (2005) pp 3082-3086.
- [7] Low Temperature Electrical Transport Properties of Disordered  $Zr_{100-x}Sn_x$  alloys D. Biswas et.al. Physica B, 382 (2006) 51-57.
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**Member of Academic/Professional Association:**

- Life Member of Indian Physical Society
- Member of Board of Research Studies, Univ. of Burdwan.
- Members of the Board of Editors in Wesleyan Journal of Research.
- Member of Board of Research Studies, Bankura University.

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**Other Academic/Administrative Assignments:**

Chairman UG Board of Studies of Electronics, Burdwan University from 1995-'99 & 1999-2003

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