

Dr. Suvrakanta Datta

Current Designation: **Associate Professor of Physics**

Department: **Physics**

Year of Joining: **2001**

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1. Academic Qualifications

Degree	Institution	Year	Subject/Discipline
M.Sc.	Jadavpur University	1984	Solid State Physics
Ph.D.	Central Glass and Ceramic Research Institute	1995	Physics

2. Thesis Title

Ph.D./M.Phil Thesis Title:

3. Specialization and Area of Interests

Specialization: **Solid State Physics**

Area of Interests: **Physical Characteristic of advanced Ceramics**

4. Teaching Responsibilities

General Properties of Matter; Renewable Energy; Magnetostatics; Polarisation; Crystallography; Latex, Arduino

5. Publications

Sl. No.	Title with page nos.	Journal	ISSN/ISBN No.	Impact factor (if any)	No. of authors
1.	<i>Assessment of Strength by Young's Modulus and Porosity—A Critical Evaluation, pp. 942-947</i>	J. Am. Ceram. Soc. 71 (1988) USA	0002-7820	Not available	3
2.	<i>Porosity Dependence of Strain of Si₃N₄ Ceramics, pp. 1119-1121</i>	J. Mater Sci. Lett. 7 (1988) UK	0261-8028	Not available	3
3.	<i>Young's Modulus - Porosity Relation-ship for Si₃N₄ Ceramics, pp. 2098-2102</i>	Am. Ceram. Soc. Bull. 68 (1989) USA	0002-7812	Not available	3
4.	<i>Porosity Dependence of Strength of Silicon Nitride Ceramics, pp 35-41</i>	J. Mech. Behav. Met. 3 (1990) Israel	0334-8938	Not available	3
5.	<i>On the Microhardness of Silicon Nitride and Sialon Ceramics, pp. 303-311</i>	J., Euro Ceram Soc. 6 (1990) Germany	0955-2219	Not available	3
6.	<i>The hardness of Silicon and Sialon, pp. 121-127</i>	Ceramic International, 17 (1991) Italy	0272-8842	Not available	3
7.	<i>High-Temperature Strength and Fractography of Sintered Silicon Nitride, pp. 335-341</i>	Ceramic International, 17 (1991) Italy	0272-8842	Not available	3

6. Book chapters

Sl. No.	Title with page nos.	Book Title, editor & publisher	ISSN/ISBN No.	Whether peer-reviewed.	No. of co-authors
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1.	<i>High-Temperature Failure Mechanism of Engineering Ceramics, pp 391-406</i>	Fracture Mechanics of Ceramics: Volume 10: Fracture Fundamental High-Temperature Deformation, Damage and Design by R.C. Bradt (Editor), D.P.H. Hasselman (Editor), D. Munz (Editor), M. Sakai (Editor), V.Ya. Shevchenko (Editor), Springer, 1992	978-0306442032	yes	2
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7. Oral/Poster Presentations

Sl. No.	The title of the Paper presented	Title of Conference / Seminar	Organised by	Whether international / national / state / regional / college or university level
1.	<i>High-Temperature Strength and Fracture Toughness of Al_2O_3 and Al_2O_3-ZrO_2</i>	Indian Ceramic Society Diamond Jubilee Session, Delhi, 1988	Indian Ceramic Society	National