Name: *Dr. Santanu Kumar Patra*

Department: *Basic Science and Humanity*

Contact Nos.: *9476215199*

Qualifications: *PhD*

Designation: *Assistant Professor*

Vidyan ID : 184818

Experience (Teaching / Research / Industry, in years): *10 years 8 months*

Date of Joining at the Present Institution: *06/02/2010*

Examinations Cleared: *GATE*

Qualifications Summary (Reverse chronological order):

Degree	***Institute***	***From – To***	***Subjects***
PhD	*IISc, Bangalore*	*2000 - 2008*	*Instrumentation*
MSc (Engg.)	*IISc, Bangalore*	*1998- 2000*	*Instrumentation*
MSc (Physics)	*JNU, New Delhi*	*1996 - 1998*	*Physics*
BSc (Physics)	*St. Xavier's college, Kolkata*	*1991- 1995*	*Physics*
Higher secondary	*Purulia Zilla School*	*1989- 1991*	*Physics, Chemistry, Mathematics, Biology, Bengali, English*
Secondary	*RKMV, Purulia*	*1982-1989*	*Bengali, English, Geography, History, Mathematics, Physical Science, Life Science, Work Education, Logic*

Experience Summary *(In chronological order):*

Assistant Professor, DR. B.C. Roy Engineering College, Durgapur
From 6/2/2010 to till now.

Specialization/Research Interest:

Nanotechnology

Courses taught:
BTech Level only
Basic Science-Physics (Subject code : BS-PH 101/201)

Basic Science - Physics practical (Subject code : BS-PH 191/291)

Online Mode of Teaching:
Through Google meet and conducting regular test on Google form.

Publications:

Journal:

*(1) M. Sreenivasulu, **S. K. Patra**, and G. Mohan Rao, "Powered automatic measuring system for Langmuir probe plasma analysis", Review of Scientific Instruments, 2001, 72 (11), 4321*

https://doi.org/10.1063/1.1412855

*(2) **S. K. Patra**, and G. Mohan Rao, " Studies on structural and electrical properties of silicon nitride films deposited by unbalanced magnetron sputter deposition ", Material Science and Engineering : B , 2002, 90 (1-2), 90-98.*

https://doi.org/10.1016/S0921-5107(01)00916-3

*(3) **S. K. Patra**, and G. Mohan Rao, " Electrical properties of diamond-like carbon films grown using ECR plasma deposition of methane", Vacuum, 2004, 74(1), 93-97.*

https://doi.org/10.1016/j.vacuum.2003.12.054

*(4) **S. K. Patra**, and G. Mohan Rao, " Synthesis of carbon nanotubes by ECR plasma-assisted chemical vapor deposition", Applied Physics A, 2005, 80(5), 1113-1115.*

https://doi.org/10.1007/s00339-003-2426-8

*(5) **S. K. Patra**, and G. Mohan Rao, " Field emission current saturation of aligned carbon*

nanotube - Effect of density and aspect ratio", Journal of Applied Physics , 2006, 100(2), 024319

https://doi.org/10.1063/1.2219082

Conference:

*(1) **S. K. Patra**, and G. Mohan Rao, "Synthesis of Carbon Nanotubes by ECR plasma-assisted chemical vapor deposition", International Journal of Nanoscience , Special Issue on ICMAT, Singapore, December 7-12, 2003, International conference, 2004, 03 (06), 845-851.*

https://doi.org/10.1142/S0219581X04002747