

Curriculum Vitaé



Dr. Om Prakash Yadav

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Personal Details

Father's Name : Sh. Ram Chandra Yadav
Date of Birth : March 10, 1969
Sex : Male
Marital Status : Married
Languages Known : English, Hindi
Nationality : Indian

Address for Correspondence :

Shyamalam, 5/5/19-B/3, Panchkoshi Parikrama Marg, Near Udaya Public School,
Beniganj, Faizabad – 224001, U.P.

Educational Qualifications

Ph.D.
(June, 1998) **G.B. Pant University of Ag. & Technology, Pant Nagar**
Major : Physics
Minor : Computer Science
Passed with 82.24 % of marks
Title of Thesis : “Study of Oxygen related Donor in Czochralski (CZ) grown Silicon”

M.Sc.
(March, 1994) **G.B. Pant University of Ag. & Technology, Pant Nagar**
Major : Physics
Minor : Instrumentation
Passed with 84.99 % of marks
Title of Thesis: “Effect of Oxygen and Carbon on Donor Formation in CZ - Silicon”

B.Sc.
(1991) Passed with First Division from **Govt. P.G. College, Musafir Khana, Sultanpur (Dr. R.M.L. Avadh University, Faizabad)**

Awards and Honors

- Recipient of **University Fellowship** during Ph.D. programme awarded by “G.B. Pant University of Ag. & Technology, Pant Nagar”.
- Recipient of **Graduate Teaching Assistantship** during M.Sc. programme awarded by “G.B. Pant University of Ag. & Technology, Pant Nagar”.
- Secured First position in the College during B.Sc. degree programme.

Teaching Experience

Teaching experience of UG and PG classes (18 yrs)

- Worked as an Assistant Prof. and Head of the Physics Department at K.S. Saket P.G. College, Ayodhya , Faizabad , since 18 July, 2005 till date. (**11 yrs**)
- Worked as a **Lecturer/ Sr. Lecture in Physics** at Krishna Inst. of Engg. & Tech. , Ghaziabad, IMS Engg. College, Ghaziabad, VIET, Dadri, Ghaziabad, Ideal Inst. of Technology, Ghaziabad, from July, 1998 to June, 2005. (07 yrs)
- Worked as a “**Teaching Associate**” at G.B. Pant University of Ag. & Technology, Pantnagar, from Jan, 1998 to July, 1998.
- Assisted the lab classes of UG level as a Graduate Teaching Assistant during M.Sc and Ph.D. programme from March, 1992 to Dec, 1997.

Research Experience

- Studied the characteristics CZ-Silicon semiconductor crystal at different temperature and ambient. Designed the furnace and used the Hall Effect, Four Probe Method and FTIR techniques to study the properties of thermal donors formed in the silicon crystal during the fabrication of electronic chips .

Publications

1. Vinod Kumar Singh, **Om Prakash** et.al; “Solar longitudinal distribution of solar flares in association with forrush decreases.” Jour. PAS (Physical Sci.) 2008, 14, 123-129.
2. Vinod Kumar Singh, **Om Prakash** et.al; “Possible observation of energy level quantization in an intrinsic Josephson junction.” Jour. PAS (Physical Sci.) 2008, 14, 118-122.
3. **Om Prakash** and S. Singh, “Study of oxygen related donors in CZ-silicon annealed at 430–630°C.” SPIE Proc. International Workshop on th Physics of Semiconductor Devices (IWPSD’98) 1998, 3316(2),652-655.
4. **Om Prakash** and S. Singh , “Oxygen related donors in Czochralski-grown silicon annealed at 465–650°C” Journal of Physics and Chemistry of Solids, 1999, 60 (3), 353-358,
5. **Om Prakash** and S. Singh “Loss of oxygen and carbon during donor formation in CZ-silicon.” Bull. Mater. Science , 1998, 21(5), 399-402.
6. **Om Prakash** and S. Singh, “Behaviour of oxygen in CZ-silicon during 430–630°C heat treatment.” Materials Science and Engineering B, 1998, B52, 180-184.
7. **Om Prakash** and S. Singh “Role of oxygen on donor formation in CZ-silicon during 430-630 °C heat treatment.” Solid State Phenomena (Scitec Pub. Switzerland), 1997, 55, 123-130.
8. **Om Prakash** and S. Singh “New donor formation in heat treated CZ-silicon at 650°C .” Semiconductor Material and Devices , Narosa, 1997, 162-167.

9. **Om Prakash** and S. Singh, "Thermal donor formation in CZ-Silicon annealed at 450⁰C in air ambient." Indian J. Physics (IACS), 1997, 71A (4), 453-460.
10. Shyam Singh and **Om Prakash** "Formation of oxygen related donors during transition from thermal donors to new donors in CZ-silicon." SPIE Proc. Optical Characterization Techniques for High-Performance Microelectronic Device Manufacturing III, Editors:Damon K. DeBusk; [Ray T. Chen](#) , 1996, 2877, 70-78.
11. **Om Prakash** and S. Singh "Role of oxygen on donor formation in Cz-silicon during 465-540 ⁰C heat treatment." Proc. 3rd International Conference and Intensive Tutorial Course on Semiconductor materials & Tech. (ICSMT'16), 1996, 73.
12. S. Singh and **Om Prakash**, "Role of Photo-Chemical equations in relation to photo-conducting behavior of II-IV semiconducting compound." Bulletin of Electrochemistry (CERI), 1996, 12 (10), 612-615.
13. **Om Prakash** and S. Singh "About the kinetics of TD formation in CZ-Silicon." Proc. Regional workshop on Low Dimensional Semiconductor Structures (LDSS'95), 1995, 42.
14. Shyam Singh and **Om Prakash** , "TD formation in CZ-silicon annealed at 450 ⁰C in air ambient." SPIE Proc. Optical Characterization Techniques for High-Performance Microelectronic Device Manufacturing II, Editors:John K. Lowell; [Ray T. Chen](#); Jagdish P. Mathur, 1995, 2638, 129-136.
15. **Om Prakash** and S. Singh , "Effect of oxygen on donor formation in CZ-Silicon." Indian J. Physics (IACS), 1995, 69A(5), 509-515.
16. **Om Prakash** and S. Singh, "Effect of oxygen and carbon on donor formation in CZ-Silicon." Proc. DAE Solid State Physics Symp., Jaipur, 1994, pp. 225.

Membership of Professional Bodies

- Life member of "**Indian Physics Association**"
- Life member of "**B S N V , Vigyan Parishad, Lucknow**).
- Member of **Children's Science Congress**.

Other Activities

- Regularly working as **Judge in Children Science Congress (State & District level)**.
- **Editor, Science Section** of College Magazine (**Saket Sudha**).
- **Objective Questions Paper setter of C C S University, Meerut**
- Presently working as Asst. Dean Student Welfare officer, Admission Coordinator and Member of Examinations Committee in the college.
- Have worked as Controller of Examinations during the Teaching period in Engineering Colleges.

Date : 10 Aug, 2016

Place : Faizabad

(**Dr. Om Prakash Yadav**)