Dr. Juby George

Associate Editor, MRW, Springer

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PROFILE SUMMARY

Four years of experience in publishing
- Associate Editor, MRW, Springer, New Delhi
- Development Editor, Collins India (HarperCollins Publishers India), Noida
- Project Editor at Wiley India Pvt. Ltd., New Delhi

Seven years of research experience (M Phil and PhD) in theoretical Condensed Matter Physics
Two years research experience in theoretical Atomic and Molecular Physics as a Post Doctoral Fellow
One semester (6 months) teaching experience as teaching assistant in (MSc Physics) Solid State Physics

ACADEMIC/RESEARCH INTERESTS

Theoretical Atomic and Molecular Physics
Theoretical Condensed Matter Physics

WORK

Springer – New Delhi, India
Associate Editor, MRW, 01 December 2015 – Present
- **Responsibility:** Developing Springer's reference titles from 'Major Reference Works' (MRW).

Collins India – Noida, India
Development Editor, 06 October 2014 – 30 November 2015
- **Responsibility:** Developing content for Middle School Science text books and Teachers' Resources

Wiley India Pvt. Ltd., New Delhi, India
Consultant, May 2012 – August 2012
Project Editor, 03 September 2012 – 20 March 2014
- **Responsibility:** Developing content for engineering books and online resources

Indian Institute of Technology, Madras, Chennai, India
Visiting Post Doctoral Research Associate, May 2011 - April 2012
- Group: Atomic and Moleculr Physics Group- In collaboration with Prof. P. C. Deshmukh and Dr. G Aravind

Indian Institute of Technology, Madras, Chennai, India
Post Doctoral Fellow, May 2010 - May 2011
- Mentor: Prof. P. C. Deshmukh

EDUCATION

University of Hyderabad, Hyderabad, India
Ph.D. Physics, 2009

- Dissertation Topic: "**Effects of Defects and Other Field Interactions on Channeling Radiation**"
- Advisor: Prof. A. P. Pathak

University of Hyderabad, Hyderabad, India
M.Phil. Physics, November, 2003

- Dissertation Topic: "**Effects of Defects on Relativistic Positron Channeling**"
- Advisor: Prof. A. P. Pathak
- Percentage of Marks: 63.3%

Mahatma Gandhi University, Kottayam, Kerala, India
M.Sc. Physics, July, 2001

- Percentage of Marks: 66.1%

Mahatma Gandhi University, Kottayam, Kerala, India
B.Sc. Physics, June, 1999

- Percentage of Marks: 86.3%

PUBLICATIONS

Juby George and Anand P. Pathak
"***Channeling radiation influenced by external hypersonic fields***"
DAE SSPS **51**, 779 (2006).

Juby George, Anand P. Pathak , L N S Prakash Goteti and G Nagamani
"***Effects of hypersonic field and anharmonic interactions on channelling radiation***"
J. Phys.:Cond. Matter **19**, 116210 (2007).

Juby George, Anand P. Pathak, S. Cruz and D. Emfietzoglou
"***Quantum calculations for the effects of dislocations on channeling and channeling radiation***"
Nucl. Instr. and Meth. B **256**, 148 (2007).

Juby George and Anand P. Pathak
"***Effects of transverse periodic perturbation on channeling radiation***"
Proceedings of SPIE **6634**, 66340Q (2007).

Juby George and Anand P. Pathak
"***Effects of dislocations on electron channeling***"
J. Phys.:Cond. Matter **21**, 075401 (2009).

Juby George and Anand P. Pathak
"***Effects of hypersonic field and other defects on channeling radiation***"
Atomic Structure and Collision Processes, Narosa Publisher, 311-317 (2009).

Juby George, Anand P. Pathak and A. V. Solov'yov
"***Effects of dislocations on positron channeling in a periodically bent crystal***"
J. Phys.: Cond. Matter **21**, 245402 (2009).

Juby George and Anand P. Pathak
"***Dechanneling of positrons by dislocations: Effects of anharmonic interactions***"
International Journal of Modern Physics A **25**, 144-156 (2010).

Juby George, G B Pradhan, Milind Rundhe, Jobin Jose, G Aravind and P CDeshmukh
"***Autoionization resonances in the argon iso-electronic sequence***"
Canadian Journal of Physics **90**, 547-555 (2012).

J George, H. R. Varma, P. C. Deshmukh and S. T. Manson
"***Photoionization of atomic krypton confined in the fullerene*** *C*60"
J. Phys. B: Atomic, Molecular and Optical Physics **45**, 185001 (2012).

CONFERENCES/SEMINARS/SCHOOLS

Seminar and workshop on Material Characterization and Surface Modification in Research and Industry using Ion Accelerators **(MCIA)**; February 9-11, 2005, National Center for Compositional Characterization of Materials, BARC, Hyderabad.

International School - Nano Structuring by Ion Beams, February 18-19, 2005 Nuclear Science Center, New Delhi.

Indo-German Workshop - Synthesis and Modification of Nano Structured Materials by Energetic Ion Beams, February 20-24, 2005, Nuclear Science Center, New Delhi.

Channeling 2006; Charged and Neutral Particles Channeling Phenomena July 3-7, 2006, Frascati (Rome), Italy - Oral presentation on "**Effects of Transverse Periodic Perturbation on Channeling Radiation**" Juby George and Anand P. Pathak.

International Conference on Atomic Collisions in Solids; **ICACS 2006**, July 21-26, 2006 at Technical University, Berlin : Poster presentation on "**Quantum calculations for the effects of dislocations on channeling and channelling radiation**" Juby George and Anand P. Pathak.

51st DAE SSPS, December 26-30, 2006, Barkatullah University, Bhopal: Poster presentation on "**Channeling Radiation influenced by External Hypersonic Fields**" Juby George and Anand P. Pathak.

IBA 2007 - 18th International Conference on Ion Beam Analysis; September 23-28, 2007, Hyderabad: Poster presentation on "**Effects of Dislocations on Electron Channeling**" Juby George and Anand P. Pathak.

Channeling 2008; from October 25 - November 1, 2008 in Erice (Trapani - Sicily), Italy: Oral presentation on "**Dechanneling of Positrons by Dislocations: Effects Dislocations: of Anharmonic Interactions**" Juby George and Anand P. Pathak.

DST-SERC School on Theoretical Techniques in Atomic and Molecular Collision Physics, BITS, PIlani, January 10-28, 2011.

ICPEAC 2011, XXVII International Conference on Photonic, Electronic and Atomic Collisions held from 27 July - 2 August 2011, Belfast, Northern Ireland, UK : Poster presentation on "**Effect of Interchannel Coupling and Confinement on the Photoionization of Kr**" J George, H R Varma, P C Deshmukh and S T Manson.

ICPEAC 2011, XXVII International Conference on Photonic, Electronic and Atomic Collisions held from 27 July - 2 August 2011, Belfast, Northern Ireland, UK : Poster presentation on "**Autoionization resonances in the argon iso-electronic sequence**" J George, G B Pradhan , J Jose and P C Deshmukh.