



Anwar Ali Khan

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Personal Details:

F/Name : Muhammad Ghafoor
Date of Birth : April 08, 1983
Marital status : Married

CNIC : 15602-0468472-9
Nationality : Pakistani

Education:

Ph. D *Quantum Optics* (in Progress)

University of Malakand, Chakdara
Dir (Lower) KP, Pakistan.

M.Phil *Quantum Optics* (2015)

University of Malakand, Chakdara
Dir (Lower) KP, Pakistan.

M.Sc *Physics* (2008)

Federal Urdu University of Arts, Science
and Technology Karachi, Pakistan.

B.Sc *Physics, Mathematics* (2006)

University of Malakand, Chakdara
Dir (Lower) KP, Pakistan.

M. Phil Thesis Title:

Observable Effects of Kerr Nonlinearity on Light Propagation in a Chiral Medium.

Research interests:

The theoretical studies of light (slow/fast) propagation, optical responses of Chiral and Non Chiral atomic media under the effect of cross/self-Kerr Nonlinearity and Doppler Broadening effects and the coherent control of Surface Plasmons.

Academic Experience:

- Lecturer in Department of Physics, University of Malakand (2012 to till now).
- Visiting faculty in Physics department, Govt. Degree College. Kabal Swat (2010-2011).
- Lecturer in Physics Tipu Shaheed degree college Kabal Swat (2008-2012).

Research Publication:

- 1) [A. A. Khan](#), M. S. A. Jabar, M. Jalaluddin, B. A. Bacha, I. Ahmad, "Spectral Hole Burning via Kerr Nonlinearity," *Commun. Theor. Phys.* **64** 473–478 (2015).
- 2) Hizbullah, [A. A. Khan](#), N. Khan, I. Ahmad, B. A. Bacha, "Superposition of stationary waves fields via atomic microscopy," *Commun. Theor. Phys.* **63** 340-346 (2015).
- 3) H. Rahman, Hizbullah, M. S. A. Jabar, [A. A. Khan](#), I. Ahmad, B. A. Bacha, "Coherent control of polarization state rotation via Doppler broadening and Kerr nonlinearity in a spinning fast light medium," *Laser Phys.* **24** 115404 (1-7) (2014).

Workshops, Seminars & Trainings:

- **3rd** International Workshop on Material Modeling and Simulation 2013 University of Malakand in collaboration with Society of Materials Science and Engineering.
- One day conference on International Year of Light 2015 University of Malakand in collaboration with National Institute for LASERS and Optronics (NILOP).
- **1st** National Conference on Mathematical Sciences 2014 University of Malakand.
- **Indigenous On-Campus Training Workshop on "Administration & IT Skills"** 2015 Organized by Directorate of Quality Enhancement Cell University of Malakand.
- Training of Presiding Officers Organized by the Election Commission of Pakistan for the general Elections 2013.

Computer Skill:

Latex, Mathematica, MS Office and Coral draw.

Languages:

- English
- Urdu
- Pashto

I'm quite interested to learn new languages

Postal Address:

Lecture in Department of Physics, University of Malakand
Dir Lower, KP, Pakistan.

References:

Prof. Dr. Iftikhar Ahmad
Chairman department of Physics
University of Malakand KP, Pakistan.
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Prof. Dr. Rahmat Ali Khan
Dean of Sciences
Director Quality Enhancement Cell (QEC)
Director Planning and Development (P & D)
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Dr. Arif Ullah
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University of Malakand, Pakistan
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Dr. Bakht Amin Bacha
Ph. D in theoretical Quantum Optics
Hazara University, Pakistan.
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