

Date: Oct. 1, 2015

CURRICULUM – VITAE

Name: ASHISH TYAGI

Personal Information:

Date of Birth: 23 – 05 – 1978

Citizenship: INDIAN

Present Position: Assistant Professor

Official Address: Department of Physics, Swami Shraddhanand College,
University of Delhi, Alipur, Delhi – 110036 .

Address for Correspondence: 82, B. D. Estate, Timar Pur,
Delhi – 110054

Mobile No. 9213772834

E-mail address: ashish.du.physics@gmail.com

Date of Appointment in College: 17 – 07 – 2006

Total Teaching Experience: 11 Years 5 Months on 24 – 10 – 2015

Native Place: Uttar Pradesh

Courses taught:

- (i) Mechanics (Phy (H), I Year)
- (ii) Mathematical Physics (Phy (H), I Year)
- (iii) Linear Digital Circuits and Instrumentation (Phy (H), I Year)
- (iv) Optics (Phy (H), II Year)
- (v) Statistical Physics (Phy (H), III Year)
- (vi) Mathematical Physics (Phy (H), Sem I, II, III & IV)
- (vii) Quantum Mechanics (Phy (H), Sem V)
- (viii) Electromagnetic Theory (Phy (H), Sem VI)

Education:

- (i) **B.Sc. (Hons.)** Physics, from University of Delhi, Delhi (India) with **64.81%** in 1998.

- (ii) **M.Sc.** Physics (Spln. in Solid State and Superconductivity) from University of Delhi, Delhi (India) with **74%** in 2000.
- (iii) **M.Tech.** Applied Optics from I.I.T. Delhi (India) with CGPA **9.086** on **10** point scale in December 2002.

Achievements:

- (i) **Joint CSIR-UGC Junior Research Fellowship (JRF) and Eligibility for Lectureship – National Eligibility Test (NET)** held on July 1, 2001.
- (ii) **Qualified for Shyama Prasad Mukherjee (SPM) Fellowship Test, 2002.**
- (iii) **Graduate Aptitude Test in Engineering (GATE) 2001,** with percentile **90.69.**
- (iv) **Joint Entrance Screening Test (JEST) 2001,** with percentile **91.7.**

Fellowship and Awards: (including convener/co-convener/member organizing committees etc for International and national conferences/workshops/seminars)

Member organizing Committee “**4th International Conference on Current Development in Atomic, Molecular, Optical and Nano Physics with Application (CDAMOP)**” (March 11-14 2015) Delhi University

International /National Positions and/or Awards/ Fellowships NA

List of Students Awarded Ph.D./M/Phil.: NA

List of Students Pursuing Ph.D./M.Phil. : N A

List if Students guided for /M.Tech./B.Tech/B.Sc./M.Sc./B.A./M.A. Projects etc. . N A

List of students guided for Summer projects N A

List of Students guided for Innovation Projects N A

REVIEWER INTENATIONAL/National JOURNALS: N A

Member International/National Journal editorial Board etc. N A

Research Projects/ Innovation Projects Undertaken : N A

- (i) **Completed**

(ii) Ongoing

Research Interest: Theoretical Atomic and Molecular Physics

Computer Literacy: (Softwares etc. used /working knowledge)

I have used PC, VAX and IBM mainframes. I have sound knowledge of UNIX and WINDOWS operating systems.

I have extensively used FORTRAN and MATLAB for scientific computing

I have employed graphics packages including MS office tools for my work.

Contribution in International Conferences/Seminars/Workshops :

- (i) **INTERNATIONAL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGY (ICNN-2013) DURING 16-18, DECEMBER 2013, Lucknow.**

Delta doped artificial in presence of intense laser field and electric field:

B.Dahiya, A. Tyagi and V.Prasad

- (ii) **4th International Conference on Current Development in Atomic, Molecular, Optical and Nano Physics with Application (CDAMOP) (March 11-14 2015) Delhi University**

(a) Photoexcitation and ionization of weakly confined atoms in magnetic fields:

Kriti batra, A.Tyagi, B.Vidhani and V.Prasad P.N-18

(b) Orienting adsorbed molecules in static fields:

A.Tyagi, B.Vidhani, R.Giri and V.Prasad [P-57].

(c) Optical properties of coupled delta doped nano-rods in magnetic fields:

A. Tyagi, Rajesh Giri, Bhavan Vidhani and Vinod Prasad (P-104)

(d) Effect of orienting pulse on alignment of molecule due to pulse train:

Urvashi Arya, Ashish Tyagi, Vinod Prasad (P-378)

Contribution in National Conferences Seminars/Workshops : N A

LIST OF PUBLICATION (with title of the papers/articles, list of authors along with journal title, year of publication, ISSN/ISBN No. and Impact factor) :

1. Controlling rotational dynamics and alignment of molecule by infrared laser pulse:
U. Arya, A.Tyagi and V.Prasad **Spectrochimica acta A 102**,120(2013) ISSN: 1386-1425. I.F. 2.098
2. Pulse train induced rotational excitation and orientation of a polar Molecule. Ashish Tyagi, Urvashi Arya, Bhavna Vidhani and Vinod Prasad
Spectrochimica Acta Part A 129 (2014) 193–200 ISSN: 1386-1425. I.F. 2.098
3. Dynamics of orientation of adsorbed polar molecules in static electric and laser field: **B Dahiya, A Tyagi, V Prasad - Molecular Physics, 2014 - Vol. 112, 1651–1658, ISSN 0026-8976 (Print), 1362-3028 (Online). I.F. 1.642**

List of *Books/Monographs* Published (along with the Publisher's name and ISBN No. and year of Publication) N A

Articles in Edited Books/Conference Proceedings/Book Chapter Published(along with title of the book, publisher and ISBN No and year of publication).
NA

Journal Proceedings/ Journals Edited (with title of the journal , year of publication etc.)NA

Popular articles published / Articles published in newspapers etc. N A

Professional Association and Membership of Learned Bodies N A

Any Other information: