

### **Bio-data of Priti Boora Doon**

Name : DR. PRITI BOORA DOON

Designation : Asst. Professor (since 2010)

Date Of Birth : 24<sup>th</sup> December 1979

Nationality : Indian

Place of Birth : Rohtak

Qualifications : B.Sc., M.Sc., B.Ed., NET., Ph.D.(Chemistry)

Department : Department of Chemistry, Maharshi Dayanand  
University, Rohtak 124001 (Haryana)  
Tel. No.: +91 1262 393131

E-mail : [ptitiboora@gmail.com](mailto:ptitiboora@gmail.com)

Address (Haryana) : H. No.: 76-P, Sector 14, Rohtak 124001

Contact No. : +91 1262 274275 (Resi.), +91 9416175000

Position Held Past : Member P.G. Board of Studies.  
: Member Faculty of Physical Sciences.  
: Member Departmental Research Committee  
(DRC).

Present : Member U.G. Board of studies.  
Departmental Coordinator Career Counseling &  
Placement Cell.

Research Fields : Luminescent Materials  
(OLED'S) Metal Complexes as Light Emitting Materials



Teaching Experience : Worked as Guest Faculty Lecturer in  
Chemistry w.e.f. 12-08-2008 to 30-04-2010  
in  
Pt. Neki Ram Sharma Govt. College,  
Rohtak.

: Working as Asst. Professor in Department  
of Chemistry, Maharshi Dayanand  
University, Rohtak since 1<sup>st</sup> May 2010.

Research Experience : Since 2003 (13 Years)

Research Guidance : Supervising 4 Research Students for the award  
of Ph.D.  
Degree (2 as Supervisor & 2 as Co- Supervisor).

Extension Lectures : Delivered extension Lectures at Pt. N.R.S. Govt.  
College  
Rohtak on UV Spectroscopy

Life Membership : Life Member of ISEAC.  
: Life Member of Indian Science Congress  
Association.  
: Life Member of Indian Science Congress  
Association-  
Haridwar Chapter.

Awards : Best Paper Award in National Conference at  
Panipat March 26, 2016 organized under aegis of ISCA Kurukshetra

Chapter sponsored by DST, New Delhi, DHE Haryana organized by Department of Chemistry Arya P.G. College, Panipat, Haryana.

- Workshops  
2011 at : Workshop on Nanotechnology on 25<sup>th</sup> March,  
Dept. of Physics, M. D. University, Rohtak
- Material : Workshop on Current Perspectives in Advance  
Science from Feb 8-9, 2012 at Pt. N. R. S. Govt.  
College, Rohtak.
- Courses attended  
Vishwavidiyala : Orientation Course from BPS Mahila  
dated 13-12-2010 to 11 Jan 2011.
- University, : Refresher Course from ACS, Kurukshetra  
Kurukshetra dated 11-06-2014 to 01-07-2014.
- Conference : Presented Paper in National Conference  
Innovation in Indian Sciences, Engineering and Technology, New Delhi  
(India) from 24<sup>th</sup> 26<sup>th</sup>, November 2006.
- Discussion : Presented Paper in 4<sup>th</sup> ISEAC International  
Meet on Electrochemistry and its  
Applications from 7<sup>th</sup> 10<sup>th</sup> February, 2011  
Thiruvananthapuram, Kerla.
- Advances in : Organizing Member of 6<sup>th</sup> National conference  
on Thermodynamics of Chemical and Biological  
Systems by Department of Chemistry, M.D.  
University, Rohtak from 2<sup>nd</sup> – 4<sup>th</sup> November,  
2011.
- Feb 24-26, : 1<sup>st</sup> International Conference on Recent  
Chemical Sciences (Poster Presentation) from

Panipat,

2013 at Dept. of Chemistry, Arya P.G. College,

Haryana

- : Organizing Member of National Conference on Advances in Chemical Sciences (ASC-2013) by Department of Chemistry, M.D. University, Rohtak from 1<sup>st</sup>- 2<sup>nd</sup> March 2013.
- : Emerging Trends in Chemistry (NSETC- 2014) March 12<sup>th</sup> -13<sup>th</sup>, 2014 at G.J. University, Hisar.
- : 2<sup>nd</sup> National Conference on Photonics and Material Science March 20-21, 2014 at Jat College, Rohtak.
- : National conference on Science and Technology for Human Technology from March 20-21, 2015 at Gurukula Kangri Vishwavidyalaya, Haridwar.
- : *Poster presentation in International conference at BITS (Pilani):- Nascent developments in Chemical Sciences: Opportunities for academia-industry collaboration*  
*(NDCS-2015), October 16-18, 2015.*
- : *Poster presentation in National conference at Panipat:-5<sup>th</sup> National conference on Chemical Sciences: Emerging Scenario and Global Challenges (NCCS-2016), March 26, 2016.*
- ; National conference on advances in multidisciplinary aspects of science and engineering (AMASE-2016), November 23, 2016 organized by Central Instrumentation Laboratory (CIL) in association with ISAS-Delhi chapter.

- methods in chemical  
2017 organized
- Environmental sciences:  
organized by  
Panipat on April 1,
- complex containing  
conference on  
organized by  
November
- Publications  
As(V) and
- ; National conference on advanced physical  
sciences (NCAPMCS-2017) February, 22-23,  
by Department of Chemistry, G. J. U, Hisar.
- : National conference on Chemical and  
Engineering dimensions and challenges ahead  
Department of Chemistry arya PG college,  
2017.
- : Luminescence properties of Eu(III) complexes  
containing  $\beta$ - ketoester ligand and 2,2-bipyridine  
as coligand. International conference organized  
by Department of Mathematics GJU  
Hisar, 28-30 October, 2017.
- : Synthesis and antimicrobial properties of  
Eu(HQCA)<sub>3</sub>.H<sub>2</sub>O. International conference  
organized by Department of  
Microbiology, M.D. University, 14 November,  
2017.
- : Photoluminescence study of organic metal  
hydroxyquinoline carboxylic acid. International  
Nano and Functional Materials (NFM-2017)  
department of Chemistry, BITS Pilani on 16-18  
2017.
- : Amperometric trace determination of As(III),  
Pb(II) with thioglycolic acid. [Khatkar S.P.](#) ,  
[Boora P.](#)  
[Asian Journal of Chemistry](#) Volume 18, Issue 1,  
January 2006, Pages 727-729, Impact Factor  
0.25.

- : New Amperometric Method for trace determination of Ga(III), In (III), Tl (I) and Tl (III) with thioglycolic acid in bound volume of Indian Society for ElectroAnalytical chemistry (ISEAC) 2008.
- : New Amperometric Method for trace Determination of Sb (III) and Te (IV) with thioglycolic acid in bound volume of Indian Society for ElectroAnalytical chemistry (ISEAC) 2011.
- : Amperometric Trace Determination of Se (IV) and Se(VI) using Thioglycolic Acid. **Priti Boora**, Rajni Arora, V.B Taxak, Dayawati and S.P. Khatkar in Research Journal of Pharmace., Biol. and Chemical Sciences, Vol4, 4(2013)1661, Impact Factor 0.35.
- : Enhanced optoelectronics properties of europium(III) complexes with  $\beta$ -diketone and nitrogen heterocyclic ligands. [Bala, M.](#), [Kumar, S.](#), [Boora, P.](#), [Taxak, V.B.](#), [Khatkar, A.](#), [Khatkar, S.P.](#) [Journal of Materials Science: Materials in Electronics](#) Volume 25, Issue 7, July 2014, Pages 2850-2856, Impact Factor 1.486, ISSN: 0957-4522, (3).
- : [Luminescent properties of europium complex enhanced by replacement of water molecules by 2,2'-bipyridine.](#) [Kumar, R.](#), [Arora, R.](#), [Boora, P.](#), [Taxak, V.B.](#), [Khatkar, S.P.](#) [Asian Journal of Chemistry](#) Volume 26, Issue 2, 2014, Pages 597-599, Impact Factor 0.25, ISSN: 0970-7077.
- : [Structural and luminescent properties of Eu<sup>3+</sup>-doped GdSrAl<sub>3</sub>O<sub>7</sub> nanophosphor.](#) [Singh S.](#), [Khatkar S.P.](#), [Boora P.](#), [Taxak V.B.](#), [Journal of Materials Science](#) Volume 49 Issue 14, 2014, Pages 4773-4779, Impact Factor 2.305, ISSN: 0022-2461, (2).

- : Synthesis, photoluminescence and biological properties of terbium(III) complexes with hydroxyketone and nitrogen containing heterocyclic ligands. [Poonam](#), [Kumar, R.](#), Boora, P., [Khatkar, A.](#), [Khatkar S. P.](#), [Taxak, V. B.](#) [Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy](#), Volume 152, 1 August 2016, Pages 304-310, Impact factor 2.098, ISSN-1386-1425, (1).
- : Synthesis, photoluminescent features and intramolecular energy transfer mechanism of europium (III) complexes with fluorinate  $\beta$ -diketone ligand and auxiliary ligands. [Bala, M.](#), [Kumar, S.](#), [Taxak, V.B.](#), [Boora, P.](#), [Khatkar S.P.](#) [Journal of Fluorine Chemistry](#), Volume 178, 3 July 2015, Pages 6-13, Impact factor 2.123, ISSN: 0022-1139, (2).
- : Investigations of luminescent behavior and intramolecular energy transfer mechanism of europium(III) complexes with fluorinated  $\beta$ -ketoester ligand. [Devi, R.](#), [Bala, M.](#), [Khatkar, S.P.](#), [Taxak, V.B.](#), [Boora, P.](#) [Journal of Fluorine Chemistry](#), Volume 181, 1 January 2016, Pages 36-44, Impact factor 2.123, ISSN: 0022-1139.
- : Synthesis, NMR, photoluminescence studies and intramolecular energy transfer process of europium(III) complexes. [Bala, M.](#), [Kumar, S.](#), [Devi, R.](#), [Taxak, V.B.](#), Boora, P., [Khatkar S.P.](#) [Journal of Fluorine Chemistry](#) Volume 188, 1 August 2016, Pages 177-184, Impact factor 2.123, ISSN: 0022-1139.
- : Optical Features of Efficient Europium(III) Complexes with  $\beta$ -Diketonato and Auxiliary Ligands and Mechanistic Investigation of Energy Transfer Process (Article in press ). [Bala, M.](#), [Kumar, S.](#), [Taxak, V.B.](#), [Boora, P.](#), Khatkar S.P. [Journal of Fluorescence](#), 21 July 2016, Pages 1-11, Impact factor-1.927, ISSN:1053-0509.

- : Terbium(III) complexes sensitized with  $\beta$ -diketone and ancillary ligands: Synthesis, elucidation of photoluminescence properties and mechanism (Article in press) [Bala, M.](#), [Kumar, S.](#), [Taxak, V.B.](#), Boora, P., [Khatkar, S.P.](#) [Journal of Materials Science: Materials in Electronics](#) 13 May 2016, Pages 1-8, Impact factor 1.798, ISSN: 0957-4522.
- : Relative study of luminescent properties with Judd-Ofelt characterization in trivalent europium complexes comprising ethyl-(4-fluorobenzoyl)acetate. Devi, R., Chahar, S., Khatkar, S.P., Taxak, V.B., Boora, P., J. Fluoresc., 27 (2017) 1349-1358. Impact factor 1.6.
- : Structural and photoluminescent analysis in Judd-Ofelt framework of color tunable  $\text{SrGd}_2(1-x)\text{Eu}_2x\text{Al}_2\text{O}_7$  nanophosphor for white light emitting materials. Sangeeta Chahar, Rekha Devi, Mandeep Dalal, Priti Boora, V.B. Taxak, S.P. Khatkar\**Journal of Luminescence* 194 (2018) 271-278.
- : Judd-Ofelt characterization and energy transfer mechanism of highly luminescent europium(III) complexes with 1-(5-chloro-2-hydroxyphenyl)-1,3-butanedione. Rekha Devi, Priyanka, Sangeeta Chahar, S.P. Khatkar, V.B. Taxak, Priti Boora\*