

## Bio-data



Name: Dr. Vinod Bala Taxak

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Gender: F

Category: Gen.

Date of Birth: 12.12.1960

Institution's Address: Prof. Vinod Bala Taxak, Department of Chemistry, M.D.University,  
Rohtak-124001 (Haryana)

Academic Qualifications:

	<u>Degree</u>	<u>University</u>	<u>Year of passing</u>	<u>Division</u>	<u>Subjects</u>
1.	B.Sc	Meerut Univ.	1981	1st	Chemistry, Bot. ,Zoology
2	M.Sc	M.D.Univ. Rohtak Kurukshetra	1984	1 <sup>st</sup>	Inorganic Chemistry
3	M.Phil	University	1985	'A' Grade	Chemistry
4	Ph.D.	M.D.Univ. Rohtak	1992	-	Amperometry/Inorganic Chemistry

**Thesis title:** Amperometric Determinations of some metal ions.

C. Publications list:

1. Amperometric determination of Ga(III), In(III), Tl(I) and Pb(II) with thiomalic acid  
O.P. Agrawal, **Vinod Bala**  
J. Electrochem. Soc. India, 37-3(1988)289.
2. Amperometric determination of some Ln(III) with thiomalic acid.  
O. P. Agrawal, S. P. Khatkar, **V.B. Taxak** and K.K. Verma.  
Transactions of the SAEST, Vol. 26. No. 2-3 (1991)201.
3. Amperometric determination of Tl(III), As(V), Sb(III), Se(IV), Te(IV) with thiomalic acid.  
O. P. Agrawal, S. P. Khatkar, **V.B. Taxak**, K.K. Verma  
J. Electrochem. Soc. India, 41-1 (1992) 77.
4. Amperometric determination of Fe(II), Co(II), Ni(II), Cu(II) with 2-Mercap... acid.  
S. P. Khatkar, O. P. Agrawal, **V. B. Taxak** and Satya Pal Yadav  
J. Electrochem. Soc. India, Vol. 43-4(1994) 249.
5. Amperometric determination of Metal Ions with Thio-acids. V(V) and Mo(VI) with 2-Mercaptopropanoic acid.  
S.P. Khatkar, O. P. Agrawal, **Vinod Bala** and Sunita Dahiya,  
J. Electrochem. Soc. India, Vol. 47-1 (1998) 78.
6. Amperometric trace determination of V(V) and Cr(VI) with Ethanethioic acid.  
S.P. Khatkar, **Vinod Bala** and Promila,  
Asian J. Chem. Vol. 12, No. 2 (2000) 600.
7. Amperometric trace determination of Cr(VI) with 2-Mercaptopropanoic acid without any Chemical Interaction.  
S.P. Khatkar, **Vinod Bala** and Mrs. Sunita Dahiya  
J. Electrochem. Society, Vol. No. 49-3 (2000) 118.
8. Ethanethioic acid as a reagent for trace determination of Zn(II), Cd(II) and Hg(II).  
S.P. Khatkar, Dayawati, Promila and **Vinod Bala**,  
Asian J. Chem., Vol.16(2004) 549.
9. Amperometric determination of Mn(II), Mn(VII), Co(II) and Ni(II) with ethanethioic acid.  
S.P. Khatkar, Dayawati, Promila, **Vinod Bala**,  
Transactions of the SAEST, 39 (2004)124.
10. Preparation and luminescence properties of Eu(TNB)<sub>3</sub>-phen complex incorporated in a silica matrix.  
S.P. Khatkar, Sang-Do Han, Jo-Yong Park, Rajesh Kumar, Y.Liang, **V.B. Taxak** ,  
Bulletin of Electrochemistry, Vol. 21(2005)123.

11. New amperometric method for the trace determination of Ga(III), In(III) and Tl(I).  
S.P.Khatkar, **Vinod Bala**, Ms.Dayawati,  
Transactions of the SAEST, 40 (2005)124.
12. Combustion synthesis and luminescent properties of  $\text{Eu}^{3+}$  - doped  $\text{LnAlO}_3$  (Ln=Y and Gd) phosphors.  
Sang Do Han, S.P. Khatkar, **V.B. Taxak**, Dinesh Kumar, Jo-Yong Park ,  
Materials Science & Engineering B, 127(2006) 272.
13. Synthesis, luminescence and effect of heat treatment on the properties of  $\text{Dy}^{3+}$ -doped  $\text{YVO}_4$  phosphor,  
SangDoHan, S.P.Khatkar, **V.B. Taxak**, Gaytri Sharma, Dinesh Kumar,  
Materials Science & Engineering B, 129(2006)126.
14. Combustion Synthesis and Luminescent properties of  $\text{MIn}_2\text{O}_4:\text{xTb}$  (M=Ca and Sr) Phosphors.  
S.P.Khatkar, **V.B. Taxak**, SangDo Han, Jo-Yong Park, Dinesh Kumar  
Materials Chemistry and Physics, 98(2006)528.
15. Synthesis and luminescent properties of  $\text{CaIn}_2\text{O}_4:\text{xTb}$  nanocrystals.  
S.P.Khatkar, Sang Do Han, **V.B. Taxak**, Gaytri Sharma, Dinesh Kumar  
Current Applied Physics, 6S1 (2006) e192.
16. Luminescent properties of  $\text{ZnS}:\text{Eu}^{2+}$  nanocrystals. Gaytri Sharma, Sang Do Han,  
S.P Khatkar, **V.B Taxak**, Young Woo Rhee  
Electrochemical Society Trans., Vol. 1 (34) (2006)7.
17. Synthesis by combustion method and photoluminescence of  $\text{SrZnO}_2$  nanophosphors.  
S.P. Khatkar, Sang Do Han, C.H.Han, **V.B. Taxak**, G.Sharma, D.Kumar  
J. Korean Physical Society, 48(2006)1355.
18.  $\text{Eu}^{3+}$  activated  $\text{LnVO}_4$  (Ln = Y and Gd) phosphors: synthesis and optical properties.  
S.P. Khatkar, Sang Do Han, **V.B. Taxak**, Jo-Young Park, Dinesh Kumar  
Bulletin of Electrochemistry , 22-3(2006)97.
19. The influence of sintering temperature on particle size/shape and photoluminescence characteristics of  $\text{CaIn}_2\text{O}_4:\text{xTb}$  synthesized by combustion process.  
Sang Do Han, S.P. Khatkar, **V.B. Taxak**, Gaytri Sharma, Dinesh Kumar  
Optical Materials, 29-11(2007)1362.
20. Preparation and photoluminescence characteristics of  $\text{Eu}^{3+}$  -doped  $\text{MgAl}_{1.8}\text{Y}_{0.2-\text{x}}\text{O}_4$  nanocrystals.  
S.P. Khatkar, S.D. Han, **V.B. Taxak**, Dinesh Kumar, Rajesh Kumar,  
J. Luminescence, 126-2(2007)597.
21. Preparation and photoluminescent properties of new europium complexes with 2'-Hydroxy-3-(p-methoxyphenyl) propiophenone.

- Rajesh Kumar, J.K.Makrandi, **V.B.Taxak**, S.P.Khatkar.  
Electrochemical Society Transaction, **6-27(2008)** 25.
22. Tartaric acid assisted sol gel synthesis of  $Y_2O_3:Eu^{3+}$  nanoparticles.  
**V.B. Taxak**, S.P.Khatkar, Sang-Do Han, Rajesh Kumar, Mukesh Kumar  
Journal of Alloys and Compounds, **469(2009)**224.
23. Synthesis and characterization of luminescent  $Eu(HMAP)_3 \cdot 2H_2O$  and  $Tb(HMAP)_3 \cdot 2H_2O$  complexes.  
**V.B. Taxak**, Rajesh Kumar, J.K.Makrandi, S.P.Khatkar.  
Displays, **30** (2009)170.
24. Luminescent properties of europium and terbium complexes with 2'-hydroxy-4', 6'-dimethoxyacetophenone.  
**V.B. Taxak**, Rajesh Kumar, J.K.Makrandi, S.P.Khatkar.  
*Displays*, 31-3 (2010)116.
25. Tartaric Acid Assisted Sol-Gel Synthesis and Photoluminescence Characteristics of  $SrY_{2(1-x)}O_4 : xTb$  Nanoparticles  
**Vinod B. Taxak**, S. P. Khatkar, Mukesh Kumar, and Sang-Do Han  
ECS Trans. **28** -3(2010) 161.
26. Combustion Synthesis and Photoluminescence Characteristics of  $Y_{1-x}CaAl_3O_7:xEu^{3+}$  Nanoparticles.  
**Vinod B. Taxak**, S. P. Khatkar, Mukesh Kumar, and Sang-Do Han  
ECS Trans. **28** -3 (2010)155.
27. Preparation and luminescence properties of  $Tb^{3+}$  doped  $ZrO_2$  and  $BaZrO_3$  Phosphors.  
B. Marí, K.C. Singh, M. Sahal, S.P.Khatkar, **V.B. Taxak**, M. Kumar  
J. Luminescence, **130** (2010) 2128. **Impact Factor = 2.1**
28. Synthesis and Photoluminescence Characteristics of  $Sr_3Y_{1-x}(PO_4)_3:xTb^{3+}$  Nanoparticles.  
**Vinod B. Taxak**, Sang-Do Han, Mukesh Kumar, and S. P. Khatkar  
ECS Trans.**28**-3(2010)115.
29. Preparation and luminescence properties of  $Tb^{3+}$  doped  $ZrO_2$  and  $BaZrO_3$  Phosphors.  
B. Marí, K.C. Singh, M. Sahal, S.P Khatkar, **V.B. Taxak**, M. Kumar  
Journal of Luminescence,131(2011)587. **Impact Factor = 2.1**
30. Citric Acid Assisted Sol-Gel Synthesis and Photoluminescence Characteristics of  $CaAl_{1.8}Y_{0.2-x}O_4:xTb$  Nanoparticles.  
**Vinod B. Taxak**, Satyender P. Khatkar, Sang-Do Han, and Mukesh Kumar  
ECS Trans. **33**-38 (2011) 27.
31. Combustion Synthesis and Photoluminescence Characteristics of  $SrY_{1.7}B_{0.3}O_4: Eu$

Nanoparticles.

S. P. Khatkar, **Vinod B. Taxak**, Dayawati Sangwan, Mukesh Kumar, Sang-Do Han  
ECS Trans. **33-33** (2011) 51.

32. Amperometric Trace Determination of Os(VIII) with Thioglycolic acid  
Ritu Langyan, **V.B. Taxak**, S.P. Khatkar,  
4<sup>th</sup> ISEAC International Discussion Meet on Electrochemistry and its Applications  
Feb.7-10 (2011)P 259;Editor Suresh K. Aggarwal & Saurav K. Guin  
ISBN: 978-81-901950-3-4.
33. Synthesis and Luminescent Properties of  $M_2V_2O_7$ : Eu(M=Sr, Ba) Nanophosphors.  
Sheetal , **V. B. Taxak** ,S. P. Khatkar  
J. Florescence, 22(2012)891.
34. Synthesis, characterization and luminescent properties of Eu/Tb-doped  $LaSrAl_3O_7$   
Nanophosphors.  
Sheetal, **V.B. Taxak**, Mandeep, S.P. Khatkar  
Journal of Alloys and Compounds,549(2013)135.
35. Synthesis, structural and optical properties of  $Eu^{3+}$  - doped  $Ca_2V_2O_7$  nanophosphors.  
**V.B. Taxak**, Sheetal, Dayawati, S.P. Khatkar  
Current Applied Physics, 13- 3 (2013) 594.
36. Opto-electronic properties of Europium doped  $Mg_2V_2O_7$  Nanophosphors for display  
devices  
Avni Khatkar, **V.B. Taxak**, Sheetal, S.P. Khatkar  
Journal of Engg. Sci. & Management, 3-1 (2013) 9.
37. Amperometric Trace Determination of Se (IV) and Se (VI) using Thioglycolic Acid.  
Priti Boora, Rajni Arora, **VB Taxak**, Dayawati and S.P. Khatkar\*  
Research J. of Pharmace., Biological and Chemical Sciences,4-4(2013)1661.
38. Luminescence and structural properties of  $Eu^{3+}$  doped  $BaY_2ZnO_5$  for LED sold state  
lighting.  
Sonika Singh, S.P. Khatkar, **V. B.Taxak**  
Journal of Materials Science: Materials in Electronics,24(2013)4677.
39. Sol-gel synthesis, characterization and luminescent properties of  $Tb^{3+}$  doped  $MLa_2O_4$   
(M = Sr or Ba) nanophosphors.  
Sonika Singh, S.P. Khatkar, **V. B.Taxak**  
Materials Science and Engineering B,178(2013)1436.
40. Synthesis, characterization and luminescent properties of  $Tb^{3+}$  doped  $BaLn_2(1-x)ZnO_5$   
(Ln = Y, Gd) nanophosphors  
Sonika Singh, S.P. Khatkar, **V. B.Taxak**  
Journal of Materials Science,49(2014) 572.
41. Enhanced Luminescent Properties of Europium Complex by Replacement of Water  
Molecules by 1,10-Phenanthroline.  
Rajesh Kumar, Rajni Arora,**V. B. Taxak**, Dayawati, S. P.Khatkar

Asian J .of Chemistry, Vol.26, N0.2 (2014) 583. **Impact Factor 0.25**

42. Luminescent Properties of Europium Complex Enhanced by Replacement of Water Molecules by 2,2'-Bipyridine.  
Rajesh Kumar, Rajni Arora, Priti Boora, **V .B.Taxak**, S.P . Khatkar  
Asian J .of Chemistry, Vol. 26,No. 2 (2014)597. **Impact Factor 0.25**
43. TGA as an amperometric reagent for trace determination of gold (III).  
Arora, R., Langyan, R., Dayawati, **Taxak, V.B.**, Khatkar, S.P.  
Res.J. of Pharm., Biolog.and Chem. Sci.,5-1(2014)1014 . **Impact factor 0.35**
44. Enhanced optoelectronics properties of europium(III) complexes with b-diketone and nitrogen heterocyclic ligands.  
Manju Bala, Satish Kumar, Priti Boora, **V .B.Taxak**, Avni Khatkar, S.P . Khatkar  
J. Mater Sci: Mater Electronic. Springer, 25(2014)2850-2856. . **Impact Factor 1.96**
45. 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, 49-14(2014) 4773. **Impact Factor 2.305**
46. Synthesis, structural and optical properties of SrZrO<sub>3</sub>: Eu<sup>3+</sup> phosphor.  
Sheetal, **V.B. Taxak**, Rajni Arora, Dayawati, S.P. Khatkar.  
Journal of rare earths 32(2014) 293-297. **Impact Factor 1.34**
47. Synthesis and photoluminescent properties of red emitting Eu doped CaZrO<sub>3</sub> phosphor.  
S.P. Khatkar, Sheetal, **V.B. Taxak**, Sonika Singh, Mandeep  
Optik - International Journal for Light and Electron Optics, 125-20(2014) 6340.  
**Imapct factor 0.769**
48. Combustion synthesis and optical properties of Eu<sup>3+</sup> doped BaGd<sub>2</sub>ZnO<sub>5</sub> f-f transition nanophosphor for white LED.  
Sonika Singh, S.P. Khatkar, **V. B.Taxak**,  
Journal of Electronics Materials,43-4(2014)1174. **Impact factor 1.675**
49. Synthesis and efficient photoluminescence properties of Europium (III) complexes by adding second ancillary ligands.  
S.Kumar, M. Bala, Dayawati, **V.B. Taxak**, S.P.Khatkar  
Res. J. of Pharm., Bio. and Chem.Sci.5-5(2014)567-574. **Impact factor 0.35**
50. Structural and optical properties of Ba ZrO<sub>3</sub>:Eu<sup>3+</sup> phosphor.  
Sheetal, **V.B. Taxak**, Avni Khatkar, Sonika Singh S.P. Khatkar  
Optical & Quantum Electronics,46 (2014)1499–1508. **Impact factor 1.078**
51. Photoluminescence, antimicrobial and antioxidant properties of new binary samarium (III) complex with 1-(2-hydroxy-4,6-dimethoxyphenyl)ethanone .  
Poonam , Kumar, R., Khatkar, S.P., **Taxak, V.B.**  
Intn. J. of Pharm. Sci. Rev. & Res.,33- 1(2015)253-258. **Impact factor 2.54.**
52. Crystal structure and photoluminescent properties of BaZn<sub>1-x</sub>Eu<sub>x</sub>V<sub>2</sub>O<sub>7</sub> nanoparticles.

- Mandeep Dalal, **V.B. Taxak**, Sheetal, Dinesh Kumar, S.P. Khatkar  
Materials Chemistry and Physics, 149-150 (2015) 713-720. **Impact factor 2.427**
53. Characterization and Luminescence Properties of Color-Tunable Dy<sup>3+</sup>-Doped BaY<sub>2</sub>ZnO<sub>5</sub> Nanophosphors.  
Sonika, S.P.Khatkar, A. Khatkar, R. Kumar, **V.B. Taxak**  
Journal of Electronic Materials, 44- 1(2015) 542-548. **Impact factor 1.675**
54. Photoluminescent Properties of Tb<sup>3+</sup>Doped GdSrAl<sub>3</sub>O<sub>7</sub>Nanophosphor Using Solution Combustions Synthesis  
S.P. Khatkar, Sonika, Sheetal, Avni Khatkar , **V.B. Taxak\***  
Electron. Mater. Lett.,11-2 (2015) 180. **Impact Factor 3.997**
55. Photoluminescence and structural properties of Eu<sup>3+</sup> doped SrZnV<sub>2</sub>O<sub>7</sub> nanocrystals.  
M. Dalal, **V.B. Taxak**, S. Lohra, D. Sangwan, S.P. Khatkar  
J. Luminescence,161(2015)63. **Impact Factor 2.144**
56. Enhanced Optoelectronics Features of Eu(III) Complexes Based on Microwave Assisted Ligand and Nitrogen Containing Ancillary Ligands.  
Satish Kumar, Manju Bala, **V. B. Taxak**, Rekha Devi, S. P. Khatkar  
Journal of Nanoelectronics and Optoelectronics,10 (2015)41. **Impact factor 0.48**
57. Synthesis and optical properties of Gd<sub>2</sub>(1-x)O<sub>3</sub>: 2xEu<sup>3+</sup> nanophosphors via tartaric assisted sol-gel route .  
S. Singh, S.P.Khatkar, D.Kumar, **V.B. Taxak**  
Journal of Sol-Gel Science and Technology,74(2015) 24. **Impact factor 1.532**
58. Synthesis, photoluminescent features and intramolecular energy transfer mechanism of europium (III) complexes with fluorinate β-diketone ligand and auxiliary ligands  
M.Bala S.Kumar,**V.B. Taxak**, P.Boora, S.P.Khatkar  
Journal of Fluorine Chemistry, 178( 2015)6-13. **Impact factor 1.948**
59. Synthesis, characterization, enhanced photoluminescence and biological activity of Eu(III) complexes with organic ligands.  
Poonam, S.P. Khatkar, R. Kumar, A. Khatkar, **V.B. Taxak**  
J. of Mat. Sci.: Materials in Electronics, 26- 9(2015)7086. **Impact factor 1.569**
60. Synthesis, photoluminescence and biological properties of terbium(III) complexes with hydroxyketone and nitrogen containing heterocyclic ligands.  
Poonam, R.Kumar, P.Boora, A.Khatkar, S.P. Khatkar, **V.B. Taxak**  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy  
152(2016)304-310. **Impact factor 2.098.**
61. A promising novel orange-red emitting SrZnV<sub>2</sub>O<sub>7</sub>:Sm<sup>3+</sup> nanophosphor for phosphor converted white LEDs with near-ultraviolet excitation.  
M. Dalal, **V.B. Taxak**, S.Chahar, A. Khatkar, S.P. Khatkar  
Journal of Physics and Chemistry of Solids, 89(2016) 45-52. **Impact factor 1.853.**
62. Investigations of luminescent behavior and intramolecular energy transfer mechanism of europium(III) complexes with fluorinated β-ketoester ligand.

- R. Devi, M.Bala, S.P.Khatkar, V.B.Taxak, P. Boora  
Journal of Fluorine Chemistry,181(2016) 36-44. **Impact factor 1.97.**
63. Synthesis, characterization, enhanced photoluminescence, antimicrobial and antioxidant activities of novel Sm(III) complexes containing 1-(2-hydroxy-4,6-dimethoxyphenyl)ethanone and nitrogen containing ancillary ligands.  
P. Nandel, R.Kumar, A.Khatkar, S.P. Khatkar, **V.B. Taxak**  
J. of Mat. Sci.: Materials in Electronics, 27(2016) 878-885. **Impact factor 1.569.**
64. Structural and photoluminescence investigations of Sm<sup>3+</sup> doped BaY<sub>2</sub>ZnO<sub>5</sub> Nanophosphors.  
S. Chahar, **V.B.Taxak**, M.Dalal, S.Singh, S.P.Khatkar  
Materials Research Bulletin, 77( 2016)91-100. **Impact factor 2.288.**
65. Judd-Ofelt and structural analysis of colour tunable BaY<sub>2</sub>ZnO<sub>5</sub>:Eu<sup>3+</sup> nanocrystals for single-phased white LEDs  
M. Dalal, **V.B. Taxak**, S.Chahar,J.Dalal, A. Khatkar, S.P. Khatkar  
Journal of Alloys and Compounds, 686(2016) 366-374. **Impact factor 2.999.**
66. Terbium(III) complexes sensitized with β-diketone and ancillary ligands: Synthesis, elucidation of photoluminescence properties and mechanism.  
Bala, M., Kumar, S.,**Taxak, V.B.**, Boora, P., Khatkar, S.P.  
J.Mat. Sci: Materials in Electronics, 27 9(2016) 9306-9313. **Impact factor 1.569**
67. 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.  
J. of Fluorine Chem.,188(2016)177-184. **Impact factor 2.123.**
68. Optical Features of Efficient Europium (III) Complexes with β-Diketonato and auxiliary Ligands and Mechanistic Investigation of Energy Transfer Process  
Bala, M., Kumar, S., Devi, R., **Taxak, V.B.**, Boora, P., Khatkar, S.P.  
Journal of Fluorescence,(2016) 1813-1823. **Impact factor 1.927.**
69. Synthesis, photoluminescence features with intramolecular energy transfer and Judd–Ofelt analysis of highly efficient europium(III) complexes  
Devi, R., Dalal, M., Bala, M., Khatkar,S.P., **Taxak, V.B.**, Boora, P.  
Journal of Materials Science: Materials in Electronics 27-12(2016) 12506-12516.  
**Impact factor 1.569.**
70. Crystal structure and Judd-Ofelt properties of a novel color tunable blue-white-red Ba<sub>5</sub>Zn<sub>4</sub>Y<sub>8</sub>O<sub>21</sub>:Eu<sup>3+</sup> nanophosphor for near-ultraviolet based WLEDs  
Dalal, M., **Taxak, V.B.**, Dalal, J., Khatkar, A., Chahar, S., Devi, R., Khatkar, S.P.  
Journal of Alloys and Compounds 698 (2017)662-672. **Impact factor 2.999.**
71. Judd-Ofelt and structural analysis of colour tunable BaY<sub>2</sub>ZnO<sub>5</sub>:Eu<sup>3+</sup> nanocrystals for single- phased white LEDs.  
Dalal, M., **Taxak, V.B.**, Chahar, S., Dalal, J., Khatkar, A., Khatkar, S.P.,  
J. Alloys Compd. 686 (2016) 366-374. **Impact factor 2.999.**



72. 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 1.927.**
73. Augmented photoluminescence and biological properties of Sm(III) complex with  $\beta$ -hydroxyketone ligand by usage of 2,2'-bipyridine as ancillary ligand.  
Kumar, R., Poonam, Khatkar, S.P., **Taxak, V.B.**,  
Int. J. Pharm. Sci. Rev. Res., 45 (2017) 28-33.
74. Synthesis, Characterization, Antimicrobial and Antioxidant Properties of Sm(III) Complexes,  
Kumar, R., Poonam, Khatkar, S.P., **Taxak, V.B.**,  
Int. J. Pharm. Sci. Rev. Res., 44 (2017) 49-54.

D. Patent list: Nil

E. List of Projects implemented: Completed a Major Project (~ 13Lakh) "**Synthesis and characterization of light emitting novel metal complexes for OLEDs**" successfully granted by UGC, New Delhi.

**Foreign visits :**

- |    |              |            |   |
|----|--------------|------------|---|
| 1  | South- Korea | : 2002-03  | “Visiting Scientist” under Brain Pool program.<br>Worked on <b>Phosphorescent materials</b> at Korea Institute of Energy Research for <b>one year</b> . |
| 2. | Singapore    | Oct., 2009 | Visited Jeol Asia for SEM training.<br>Visited Singapore National University  |
| 3. | USA          | Oct., 2010 | Presented Research Papers in ECS Meeting in Las Vegas, USA.   |
| 4. | USA          | Oct., 2010 | Visited University of Louisville Kentucky   |
| 5. | USA          | Oct., 2013 | Presented Research Paper in Electrochemical Society Meeting at San Francisco.   |
| 6. | USA          | May, 2017  | Presented Research Paper in Electrochemical Society Meeting at New Orleans.   |