

**Prof. SATYENDER PAL KHATKAR**  
s\_khatkar@rediffmail.com



**A) Educational Qualifications**

<b>Degree</b>	<b>Year of Passing</b>	<b>University/Institute</b>
Ph.D.	1987	M.D. University, Rohtak
M.Sc.	1981	M.D. University, Rohtak
B.Sc.	1979	M.D. University, Rohtak

**B) Career Profile**

<b>Designation</b>	<b>Institution served</b>	<b>Duration</b>	
		<b>From</b>	<b>To</b>
Lecturer in Chemistry	Jat College Rohtak	1986	1989
Lecturer in Chemistry	Chemistry Department, M.D.University, Rohtak	1989	1998
Reader in Chemistry	ChemistryDepartment, M.D.University,Rohtak	1998	2006
Professor in Chemistry	-do-	2006	Continue

**C) Research Advisory**

<b>No. of Students supervised</b>	<b>Ph.D</b>	<b>M.Phil</b>
	6	1

#### D) Projects Undertaken

Title of the Project	Duration	Funding Agency	Status	
			Completed	In progress
Organic metal complexes as light emitting materials	2004-07	UGC Delhi	Completed	

#### E) Publications

##### Books

Authored : Chemistry for Engineers

##### Research Papers

1. Amperometric determination of Ce(IV) with the help of thiomalic acid. O. P. Agrawal, Mrs. Rajani and **S. P. Khatkar**, Vijnana Parishad Anusandhan Partika, 26-1 (1983) 77.
2. Amperometric determination of trivalent Ruthenium and Rhodium with thiomalic acid. O.P. Agrawal and **S. P. Khatkar**, J. Electrochem. Soc. India, 33-4 (1984) 83.
3. Amperometric determination of Fe(III) and Fe (II) with thiomalic acid. O. P. Agrawal and **S. P. Khatkar**, J. Electorchem. Soc. India, 33-4 (1984) 275.
4. Amperometric determination of Mo(VI), Th(IV) and Y(III) with thiomalic acid. O. P. Agrawal and **S. P. Khatkar**, J. Electrochem. Soc. India, 33-4 (1984) 279.
5. Amperometric determination of Os(VIII) with thiomalic acid. O. P. Agrawal, Jag Mohan and **S. P. Khatkar**, Indian J. Chem., 24A (1985) 627.
6. Thermodynamic of Non-Electrolyte solutions. I Excess Volume of Binary Mixtures of 2,2,4-Trimethylpentane with some Alcohols at 40°C. O. P. Agrawal, **S. P. Khatkar**, and R.C. Saini, J. Ind. Chem. Soc. Vol. LXII, July 1985, p. 533.
7. Thermodynamics of Non-Electrolyte solutions. II Excess Volumes of Binary solutions of 2,2,4,-Trimethylpentane with some Aromatic Compunds at 40°C. O. P. Agrawal and **S. P. Khatkar**, and R.D. Saini. J. Ind. Chem. Soc. Vol. LXIII, March 1986, p. 306
8. Amperometric determination of U(VI) and Cd(II) with thiomalic acid. O. P. Agrawal and **S. P. Khatkar**, J. Electrochem. Soc. India, 32-2 (1986) 137.
9. Polarography of 3-Mercaptopropionic acid and its use in amperometric determination of Ru(III). O. P. Agrawal and **S. P. Khatkar**, Presented in Symposium at Cardiff (London); Published in Analytical Proceeding, Nov. 1987, Vol. 24, p. 330.

10. Amperometric determination of Hg (II) with thiomalic acid. O. P. Agrawal and **S.P. Khatkar**, Proc, Natl. Acad. Sci. India, 58A – 111 (1988) 441.
11. Excess volumes of binary solutions of 2, 2, 4-trimethylpentene with some ketones at 313.15K. O.P. Yadav, and **S.P. Khatkar**, J. Indian. Chem. Soc. 67, (1990) 428.
12. Amperometric determination of some Ln(III) with thiomalic acid O. P. Agrawal, **S. P. Khatkar**, Mrs. V.B. Khatkar and K.K. Verma. Transactions of the SAEST, Vol. 26. No. 2-3 (1991)201.
13. Amperometric determination of some metal ions with 3-Mercaptopropionic acid. O. P. Agrawal, **S. P. Khatkar**, Subash Chander and K.K. Verma, J. Electrochem. Soc. India, 40-1 (1991) 51.
14. Amperometric determination of Tl(III), As(V), Sb(III), Se(IV) and Te(IV) with thiomalic acid. O. P. Agrawal, **S. P. Khatkar**, V.B.Khatkar and K.K. Verma, J. Electrochem. Soc. India, 41-1 (1992) 77.
15. Amperometric determination of V(V), Cr(III), Mn(VII), Cr(VI) and Fe(III) with 3-mercaptopropanoic acid. O. P. Agrawal, **S. P. Khatkar**, Subash Chander and K.K. Verma, Asian Journal of Chemistry, Vol. 5, No. 4 (1993) 1041.
16. Amperometric determination of some Lanthanides and Y(III) with 3-Mercaptopropanoic acid. O. P. Agrawal, **S. P. Khatkar**, Subash Chander and K.K. Verma, Transactions of the SAEST, Vol. 28, No. 1 (1993) 33.
17. Thiodia-propionate complexes of Vo(II), Co(II), Ni(II), Cu(II) and Ag(I); Synthesis and Characterisation. O. P. Agrawal, K.K. Verma, **S. P. Khatkar** and Anjali Vig, Vijnana Parishad Anusandhan Patrika, 36-3 (1993) 189.
18. Amperometric determination of Cu(II), Ag(I), Au(III) and Pd(II) with 3-Mercaptopropanoic acid. O. P. Agrawal, **S. P. Khatkar**, and Rajesh K. Malik, International Conference of Energy, Environment and Electrochemistry Karaikudi-India, Feb. 1993. Bulletin of Electrochemistry, 9 (II-12) Nov. Dec. 1993 p. 587.
19. Amperometric determination of Ru(III) with the help of 2-Mercaptopropanoic acid. O. P. Agrawal, **S. P. Khatkar**, and Rajesh Kumar Malik, Vijnana Parishad Anusandhan Patrika, 36-4 (1993) 261.
20. Coordination behaviour of 2-Mercaptopropanoic acid – A Study. O. P. Agrawal, K.K. Verma, **S.P. Khatkar**, and Anjali Vig, Bhartiya Vaigyanic Evam Augyogic Anusandhan patrika, 2-1 (1994) 47.

21. Amperometric determination of Fe(II), Co(II), Ni(II) and Cu(II) with 2-Mercaptopropanoic acid. **S. P. Khatkar**, O. P. Agrawal, Mrs. V. B. Khatkar and Satya Pal Yadav, J. Electrochem. Soc. India, Vol. 43-4(1994) 249.
22. Amperometric determination of Cu(II), Ag(I), Pd(II) and Pt(IV) with the help of 2-Mercaptopropanoic acid. O. P. Agrawal, K.K. Verma, **S. P. Khatkar**, and Rajesh Kumar Malik, Asian Journal of Chemistry, Vol. 6, No. 4(1994) 911.
23. Thiomalic acid – a new analytical reagent (Review). O. P. Agrawal, **S. P. Khatkar**, Bhartiya Vaigyanic Evam Audyogic Anusandhan Patrika, 3-1(1995) 7.
24. 2-Mercaptopropanoic acid as an amperometric reagent for determination of Th(IV) and U(VI) **S.P. Khatkar**, Sunita Dahiya and O. P. Agrawal, Transaction of the SAEST, Vol. 30, No. 2 (1995) 73.
25. 2-Mercaptopropanoic acid as an amperometric reagent for determination of some Lanthanides and Y(III). **S.P. Khatkar**, O. P. Agrawal, and Sunita Dahiya, J. Electrochem. Soc. India, 45-3 (1996) 171.
26. 2-Mercaptopropanoic acid as a reagent for amperometric determination of Zn(II), Cd(II) and Hg(II) in traces. **S.P. Khatkar**, Sunita Dahiya and O. P. Agrawal, transaction of the SAEST, Vol. 31, No. 3 (1996) 92.
27. Amperometric trace determination of Ph(III) , Os(VIII) and Ir(III) with 2-Mercapto and 3-Mercaptopropanoic acid. O. P. Agrawal, **S.P. Khatkar**, and Rajesh Kumar Malik, Transactions of the SAEST, 31-4 (1996) 147.
28. Amperometric trace determination of Arsenic with 2-Mercapto and 3-Mercaptopropanoic acids. O. P. Agrawal, **S. P. Khatkar**, and Dayawati, Asian J. Chem., 8-3 (1996) 539.
29. Amperometric determination of Metal Ions with 2-Mercaptopropanoic acid. Fe(III) and Fe(II) in a mixture. **S.P. Khatkar**, O. P. Agrawal and Sunita Dahiya. J. Electrochem. Soc. India, Vol. 47-1 (1998) 80.
30. Amperometric trace determination of Cu(II), Ag(I), Au(III), Pd(II) and Pt(IV) with thioacetic acid. O. P. Agrawal **S.P. Khatkar**, and Rajesh Kumar Malik, J. Electrochem. Soc. India, 47-1 (1998) 71.
31. Amperometric determination of Metal Ions with Thio-acids. V(V) and Mo(VI) with 2-Mercaptopropanoic acid. **S.P. Khatkar**, O. P. Agrawal, Mrs. Vinod Bala and Sunita Dahiya, J. Electrochem. Soc. India, Vol. 47-1 (1998) 78.

32. Amperometric determination of Metal Ions with Thio-acids. Ga(III), In(III) and Tl(I) with 2-Mercaptopropanoic acid. O. P. Agrawal, **S. P. Khatkar** and Dayawati, J. Electrochem. Soc. India, Vol. 47-1 (1998) 75.
33. Exploitation of Maximum in the metal wave for the amperometric determination of Pt(IV). O. P. Agrawal, **S.P. Khatkar**, and Rajesh Kumar Malik, J. Sci. Ind. Research, 57 (1998) 536.
34. Amperometric trace determination of Ru(III), Rh(III) and Os(VIII) with Ethanethioic acid. O. P. Agrawal, **S.P. Khatkar**, Dayawati and Rajesh Kumar Malik. Transactions of the SAEST, 33-1 (1998) 28.
35. Amperometric trace determination of some metal ions with the help of 2- and 3-Mercaptopropanoic acids. O. P. Agrawal, **S.P. Khatkar**, Dayawati and Bhartiya Vaigyanic Evam Audyogic Anusandhan Patrika, 6-2 (1998) 69.
36. Amperometric trace determination of Mn(VII), 2-Mercaptopropanoic acid. **S.P. Khatkar**, and Mrs. Sunita Dahiya. Transactions of the SAEST, 34,3-4 (1999) 106.
37. Amperometric trace determination of V(V) and Cr(VI) with Ethanethioic acid. **S.P. Khatkar**, Mrs. Vinod Bala and Promila, Asian J. Chem. Vol. 12, No. 2 (2000) 600.
38. Amperometric trace determination of Cr(VI) with 2-Mercaptopropanoic acid without any Chemical Interaction. **S.P. Khatkar**, Mrs. Vinod Bala and Mrs. Sunita Dahiya J. Electrochem. Society, Vol. No. 49-3 (2000) 118.
39. Ethanethioic acid as an amperometric reagent for trace determination of Fe(III) and Fe(II) in presence of each other. **S.P. Khatkar** and Ms Promila, Analytical Techniques in Monitoring the Environment, Editor Prof. S.Jayarama Reddy, 2000,p.66.
40. Ethanethioic acid as a reagent for trace determination of Zn(II), Cd(II) and Hg(II). **S.P. Khatkar**, Dayawati, Promila and Mrs. Vinod Bala, Asian J. Chem., Vol. 16(2004) 549.
41. 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.
42. 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.
43. New amperometric method for the trace determination of Ga(III),In(III) and Tl(I).**S.P.Khatkar**,Mrs.Vinod Bala ,Ms.Dayawati, Transactions of the SAEST, 40 (2005)124.

44. Thioglycolic acid as a reagent for trace determination of Zn(II), Cd(II) and Hg(II). **S.P.Khatkar**, Rekha Devi, Asian J. Chem., Vol. 18(2006) 724.
45. Amperometric trace determination of As(III), As(V) and Pb(II) with thioglycolic acid. **S.P.Khatkar**, Priti Boora, Asian J. Chem., Vol. 18(2006) 727.
46. 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.
47. 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.
48. 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.
49. 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.
50. Electroluminescent efficiency of alternating current thick film devices using  $\text{ZnS}:\text{Cu,Cl}$  phosphor. Gaytri Sharma, Sang Do Han\*, J.D.Kim and **S.P Khatkar** Materials Science & Engineering B, 131(2006)271.
51. 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.
52. 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.
53. Enhancement of  $\text{H}_2$ -sensing properties of F-doped  $\text{SnO}_2$  sensor by surface modification with  $\text{SiO}_2$ . Chi-Hwan Han, Sang-Do Han\*, **S. P. Khatkar** Sensors **6** (2006)492.
54.  $\text{Eu}^{3+}$  activated  $\text{LnVO}_4$  (Ln = Y and Gd) phosphors: synthesis and optical properties. **S.P. Khatkar**, Sang Do Han, V.B. Taxak, Rajesh Kumar and Dinesh Kumar Bulletin of Electrochemistry 22-3(2006)97.
55. Synthesis of indium tin oxide (ITO) and fluorine-doped tin oxide (FTO) nano-powder by sol-gel combustion hybrid method. Chi-Hwan Han, Sang-Do Han, Jihye Gwak, **S.P. Khatkar**

- Material Letters , 61-8(2007)1701.
56. The influence of sintering temperature on particle size/shape and photoluminescence characteristics of  $\text{CaIn}_2\text{O}_4: x\text{Tb}$  synthesized by combustion process.  
Sang Do Han, **S.P. Khatkar\***, V.B. Taxak, Gaytri Sharma, Dinesh Kumar  
Optical Materials, 29-11(2007)1362.
  57. Preparation and photoluminescence characteristics of  $\text{Eu}^{3+}$ -doped  $\text{MgAl}_{1.8}\text{Y}_{0.2-x}\text{O}_4$  nanocrystals. **S.P. Khatkar**, Sang Do Han, V.B. Taxak, Dinesh Kumar, Rajesh Kumar, J. Luminescence, 126-2(2007)597.
  58. Characterization and Luminescent Properties of  $\text{YPO}_4:\text{Eu}^{3+}$  Nanocrystals Prepared by Combustion method.  
Gaytri Sharma, Sang-DoHan, **S.P Khatkar**, Young Woo Rhee  
Electrochemical Society Trans. **2** -20 (2007) 59.
  59. Synthesis and Luminescent Properties of  $\text{GdCaAl}_3\text{O}_7: \text{Tb}^{3+}$  Nanocrystals .  
**Satyender P. Khatkar**, Dinesh Kumar, and Sang Do Han  
Electrochemical Society Trans. **6** -16 (2007) 123.
  60. Thioglycolic acid as an Amperometric Reagent for Trace determination of Co(II) and Ni(II).  
**S.P.Khatkar** and Rekha Devi,.  
Asian J. Chem., 19-6(2007)4373.
  61. Synthesis and Characterization of Luminescent  $[\text{Tb}(\text{HMAP})_3(\text{Bipy})]$  Complex  
Rajesh Kumar and **Satyender P. Khatkar**  
Electrochemical Society Trans. **11** -20 (2008) 29.
  62. Synthesis, Characterization and Luminescent Properties of  $[\text{Tb}(\text{HMPA})_3(\text{phen})]$  Complex  
Rajesh Kumar, **Satyender P. Khatkar**, J. K. Makrandi, and Ishwar Singh  
Electrochemical Society Trans. **11** -26 (2008) 11.
  63. Preparation and Photoluminescent Properties of new Europium Complexes with 2'-Hydroxy- 3-(p- methoxyphenyl) Propiophenone  
Rajesh Kumar, J. K. Makrandi, Vinod B. Taxak, **Satyender P. Khatkar**  
Electrochemical Society Trans. **6** -27 (2008) 25.
  64. Synthesis, characterizations and luminescent properties of terbium complexes with methoxy derivatives of 2'-Hydroxy-2-phenylacetophenone.  
Rajesh Kumar, J.K.Makrandi, Ishwar Singh, **S. P. Khatkar\***.  
Spectrochimica Acta Part A, **69** (2008)1119.
  65. Preparation and photoluminescent properties of europium complexes with 2'-Hydroxy-2-phenylacetophenones.  
Rajesh Kumar, J.K.Makrandi, Ishwar Singh, **S.P.Khatkar\***.  
J. Luminescence, **128** (2008) 1297.

66. 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.
67. 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.
68. 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** (2010)116.
69. 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.
70. Characterization and photoluminescence properties of some  $MLn_{2(1-x)}O_4:2xEu^{3+}$  or  $2xTb^{3+}$  systems (M=Ba or Sr, Ln=Gd or La).  
B. Marí, K.C. Singh, M. Sahal, **S.P Khatkar**, V.B. Taxak, M. Kumar  
J. Luminescence, **In Press, Corrected Proof, Available online 7 November 2010**
71. Combustion Synthesis and Photoluminescence Characteristics of  $Y_{1-x}CaAl_3O_7:xEu^{3+}$  Nanoparticles  
V.B. Taxak, **S.P.Khatkar**, Mukesh Kumar, Sang-Do Han  
Electrochemical Society Trans.,**28** -3(2010)155.
72. Tartaric Acid Assisted Sol-Gel Synthesis and Photoluminescence Characteristics of  $SrY_{2(1-x)}O_4 : xTb$  Nanoparticles  
V.B. Taxak , **S.P.Khatkar** ,Mukesh Kumar, Sang-Do Han  
Electrochemical Society Trans.,**28** -3(2010)161.
73. Thioglycolic acid as an amperometric reagent for trace determination of Mn(II), Mn(VII), Cr(III) and Cr(VI).  
V.B.Taxak , Rekha Devi , Dayawati , **S. P. Khatkar**  
Bulletin of Electrochemistry, In Press
74. New Amperometric Methods for the Trace Determination of Cu(II), Ag(I) and Au(III).  
**Satyender P. Khatkar**, Dayawati, Ritu Langyan  
ECS Trans. **28** -18 (2010)109



## Participation in conferences/seminars

1.	Need based refresher course in Chemistry, Academic Staff College, K.U. Kurukshetra	Dec.27, 1993-Jan.15, 1994
2.	U. G. C. Sponsored Refresher Course M. D. University, Rohtak	Dec.9 – Dec. 29, 1995
3.	National workshop on Solid State Nuclear Track Detectors ( NTSI ) Chem.Deptt.	Oct.8 - Oct.10, 1996
4.	Training on Atomic Absorption Spectrophotometer Electronic Corp. of India Ltd. (ECIL), Hyderabad.	Oct.12- Oct.17 , 1998
5.	U. G. C. Sponsored Refresher Course M. D. University, Rohtak	Dec.10 – Dec.30, 1998
6.	86 <sup>th</sup> Session of Indian Science Congress, Anna. University, Chennai	Jan.3 - Jan.7, 1999
7.	National Seminar on analytical Methods in Industries and Lab. Chemistry Deptt., M.D.University,Rohtak	Mar. 9- Mar.10, 1999
8.	Refresher course for college and university lecturers Academic Staff College, H.P.U. Shimla	Nov.8-Nov.27, 1999
9.	National Seminar on Teacher Accountability and teacher Organisations in collaboration with U.G.C. & NCTE. C.R. College of Education, Rohtak	Mar.24 –Mar.25, 2000
10.	Workshop for in-service teachers on ENVIRONMENT sponsored by deptt. Of Environment & Forests, New Delhi Department of Bioscience M.D.University, Rohtak	Apr.24 –Apr. 27, 2000
11.	International Seminar on Analytical Techniques in Monitoring the Environment, Sri Venkateswara University, TIRUPTI	Dec.18 –Dec.20, 2000
12.	Tenth national Convention of Electrochemists (NCE-10) CECRI, KARAIKUDI (INDIA)	Apr.26- Apr.27, 2001
13.	The 2 <sup>nd</sup> International Meeting On Information Display, Daegu, South Korea	Aug.21- Aug.23, 2002
14.	International Sensor Conference 2002 , Jeon Nam University Gwangju, South Korea	Nov.1- Nov.2 , 2002
15.	Korean Institute of Electrical & Electronic Materials Engineers (KIEEME) Annual Autumn Conference Dan Kook University Seoul, South Korea	Nov.7- Nov.9, 2002
16.	State Conference on Information & Communication Technology (ICT) in Teacher Education, C.R.College of Education, Rohtak	Nov. 8, 2003
17.	International Conference on Electroanalytical Chemistry & Allied Topics (ELAC-2004), Dona Paula , Goa	Jan.18-Jan.23, 2004
18.	Capacity Building Programme on Multimedia and E-content Development, Consortium for Educational Communication An Inter University Centre of U.G.C., New Delhi	Nov.16-Nov.27, 2004
19.	The 5 <sup>th</sup> International Meeting on Information Display, Seoul South Korea	July19-July23, 2005
20.	The 3 <sup>rd</sup> International Nanotech Symposium, NANOKOREA 2005 INTEX, ILSAN, Seoul, South Korea	Aug.24-Aug.26, 2005
21.	International Sensor Conference 2005, Korea Advanced Institute of Science & Technology (KAIST), Daejeon, South Korea	Nov.11-Nov.12, 2005
22.	Eighth International Symposium on Advances in	Nov.28-Nov.30, 2006

	Electrochemical Science and Technology	
23.	211 <sup>th</sup> ECS Meeting at Hilton Hotel Chicago , USA	May 5- May12 ,2007
24.	Discussion meet on ElectroAnalytical Techniques and their Applications Tea County, Munnar, Kerala	Feb.25-Feb.28, 2008
25.	National Conference on Photonics and Material science Guru Jambheshwer University Hissar	Oct.24- Oct.25, 2008
26.	Chaired a session in Symposium on “ Trends in Translational Medicine” at PGIMS, University of Health Sciences, Rohtak	January,9, 2009
27.	218 <sup>th</sup> ECS Meeting at Riviera Hotel Las Vegas USA.	Oct.10- Oct.15, 2010
28.	Delivered Valedictory Address in the National Conference On Emerging Trend in Electronics and communication Engineering held at BRCM BAHAL(INDIA)	December, 25, 2010
29.	Delivered Inaugural Address in the International Conference On Engineering and Science held at Rohtak (INDIA)	January, 21, 2011
30.	International conference on Supramolecular Chemistry and Nanomaterials (ICSN 2011), Mumbai University, Mumbai	Feb.14-Feb.16, 2011
31.	Chaired a workshop of Director/Principals of various Engg. Institutes to update the syllabi of various B.Tech. Courses.	February,23, 2011
32.	Universities of India-2011 Global Higher Education Summit Launch of University-Industry Congress, Mahabalipuram, T.N.	Mar.11-Mar. 12, 2011

Award and Distinctions: **International Scientist of the year 2008**

1. Assignments outside M. D. University, Rohtak

India: Subject expert in various selection Committee of the Universities for the post of Prof., Associate and Assist. Prof. Reviewer for research papers for publication in various International Journals.

Abroad: **Foreign visits :**

1 South- Korea : 2002-03 “Visiting Scientist” under Brain Pool program. Worked on **Phosphorescent materials** at Korea Institute of Energy Research for **one year**.

2005-06 “Visiting Scientist” under Brain Pool program for **one year**. Worked on **Sensors , Phosphor and Nano Materials**.

2. USA May, 2007 Presented three Research Papers in ECS Meeting in Chicago,USA.

Visited University of Illinois ,Chicago

Visited University of Louisville Kentucky

Visited Advanced Research Chemical, Tulsa, OklaHoma, USA.

3. South-Korea May, June “Visiting Scientist” under UGC, New Delhi  
2008 Exchange Prog. To work on “ **New rare earth doped light emitting Nanomaterials**”  
(Synthesis and Application technology) for  
electroluminescence devices.

4. Singapore Oct., 2009 Visited Jeol Asia for SEM training.  
Visited Singapore National University

5. USA Oct., 2010 Presented Research Papers in ECS Meeting  
in Las Vegas,USA.  
Visited University of Louisville Kentucky

**2. Other contributions:**

- Dean, Faculty of Engineering & Technology, M. D. University.
- Chairman Board of Studies in Engineering & Technology
- Director, University Institute of Engineering & Technology
- Director, University Industry Liaison Cell
- Member, Court, M.D. University, Rohtak
- Member, Faculty of Physical Sciences, M.D. University
- Co-Coordinator, Indo-Korean Research Project  
(MoU between M.D.Univ. and Korea Institute of Energy Research)
- Permanent Member of the Academic Council (M.D. DUniversity.)
- V.C. Nominee in Academic Council Y.M.C.A. Faridabad
- Member, committee for drafting/framing MoUs
- University Nominee on the BOG of B.S. Anangpuria and R.N. Engg.& Management college