

## Bio-Data of Prof. S.P. KHATKAR



Name : Dr. SATYENDER PAL KHATKAR

Designation : **Professor and Head**

Department : Department of Chemistry,

M. D. University, Rohtak-124001, INDIA

Telephone : +91-1262-393274 (Off.) , 09813805666 (Mobile).

**Positions :**

**Current:**

- Head, Department of Chemistry, M.D.University, Rohtak
- Chairman, Central Purchase committee, M.D.University, Rohtak
- Director, University Industry Liaison, M.D.University, Rohtak.
- Chairman, UG and PG Board of Studies in Chemistry, M. D. University, Rohtak.
- Member, Faculty of Physical Sciences, M.D.University, Rohtak
- Member, Academic Council, M.D.University, Rohtak
- Member of the Academic Council, CDLU, Sirsa.
- Member, PG Board of Studies in Chemistry, CDLU, Sirsa and CBLU, Bhiwani.
- **In the past:**
- Member Executive Council, M.D.University, Rohtak (2007-09, 2013-2015).
- Dean, Faculty of Engineering & Technology(2007-09, 2010-15).
- Chairman Board of Studies in Engineering & Technology, (2007-09, 2010-15), M.D.University, Rohtak.
- Director, University Institute of Engineering & Technology,

( 2007-09, 2010-15), M.D.University, Rohtak.

- Chairman, High Power Purchase committee, M. D.University
- Proctor, M.D.University, Rohtak(2011-2015).
- Co-Coordinator, Indo-Korean Research Project  
(MoU, M.D.U. and Korea Institute of Energy Research)
- Member, Court, M.D.University, Rohtak(2007-09, 2010-17)
- Member, Standing Affiliation Committee
- Member, Establishment Committee, M.D.University, Rohtak
- Warden University Boys Hostel
- Vice - President MDUTA

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Address : H.NO. 445- C, DEV COLONY, ROHTAK-124001, INDIA

Telephone : 09813805666

Nationality : Indian

Date of Birth : 1<sup>st</sup> Nov. 1959

Place of Birth : Village **Mokhra**, Distt. Rohtak, Haryana

**Qualifications :**

	<b>Degree</b>	<b>University</b>	<b>Year of passing</b>	<b>Division</b>	<b>Subjects</b>
1	M.Sc	M.D.Univ. Rohtak	1981	1 <sup>st</sup>	Inorganic Chemistry
2	Ph.D.	M.D.Univ. Rohtak	1987	-	Amperometry/Inorganic Chemistry

**Career Profile :**

Designation	Institution Served	Duration	
		From	To

Lecturer in Chemistry	Jat College Rohtak	1986	1989
Lecturer in Chemistry	Chemistry Department, M.D.University, Rohtak	1989	1998
Reader in Chemistry	Chemistry Department, M.D.University, Rohtak	1998	2006
<b>Visiting Scientist</b> (Equivalent to Prof.)	Korea Institute of Energy Research, Daejeon, South Korea	2002 2005	2003 2006 <b>i.e. Two years</b>
<b>Professor of Chemistry</b>	Chemistry Department, M.D.University, Rohtak	2006	Continue

**Research Experience :**

- Since August 1981 (35years)
- Guiding Ph.D and M.Phil. students
- Guided one M.Phil. and **10 Ph.D.** students in various fields.
- Some more Ph.D. students(5) are registered.

**Research fields:**

- Synthesis of Light Emitting Nanomaterials
- Metal complexes as Light Emitting Materials (OLED's)
- Synthesis of phosphorescent materials
- Trace metal determination in Medical samples
- Trace metal determination by Amperometry
- Humidity and chemical sensors

**Projects:**

1. Completed a Major Project(~ **8 Lakh**) "Organic metal complexes as light emitting materials" successfully granted by UGC, New Delhi.
2. Submitted and presented a proposal for FIST Programme (2010) to DST, New Delhi, for the Chemistry Department, DST sanctioned **Rs. One Crore and Nine Lakhs.**

**Expert and Reviewer:** Subject expert in various Selection Committees of the Universities for the post of Professor, Associate Prof. and Assist. Prof. and Reviewer for research papers for publication in various International Journals.

**Member of Professional Bodies:**

- Life Member Indian Science Congress Association
- Life Member Vigyan Perished Peryag
- Life Member Electro-analytical Society of India
- Life Member Chemical Research Society of India
- Member Electro Chemical Society (USA)

**Unique Achievements:**

1. Established International research collaboration between Korea Institute of Energy Research, Daejeon, South Korea and M.D.University, Rohtak.
2. Established University Institute of Engg. & Technology and obtained approval for B.Tech. Courses (CSE, ME, ECE, Bio. Tech., EE, CE) and M.Tech. Courses (CSE, ME, ECE, Bio. Tech.) from AICTE, New Delhi for conduct of these courses at University Institute of Engg. & Technology, M.D.University, Rohtak.
3. Organized **Science Conclave** for School Students (1600) at M.D.University, Rohtak on 2-3 Dec., 2011. The conclave was inaugurated by **Dr. A. P. J. Abdul Kalam** and presided by Chief Minister, Govt. of Haryana.
4. Organized **Science Conclave** for School Students (1600) at M.D.University, Rohtak on 22-23 Feb., 2014. The conclave was inaugurated by **Dr. T. Ramasami**, Secretary to Govt. of India, Dept. of Science and Technology, New Delhi.
5. Ministry of Human Resource Development nominated as Member-Expert for selection of candidates for the award of Commonwealth Scholarship/Fellowship Plan, 2014 offered by the Govt. of United Kingdom.
6. Ministry of Human Resource Development nominated as Member-Expert for selection of candidates for the award of Israel Government Scholarship 2014.
7. Submitted proposal for World Bank grant & University Institute of Engg. & Technology, M.D.University got **Rs. 10 crore grant** under World Bank Technical Education Quality Improvement programme.

**Publications:**

- Published more than 130 Research Papers in National and International Journals published by **Elsevier, Springer** etc.

#### Teaching experience:

- Teaching since Aug.1986 (more than 31 years)
- Teaching Post Graduate classes in the Department of Chemistry, M.D.University, Rohtak (India) since 1989.

#### 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.
2. South Korea 2005-06 "Visiting Scientist" under Brain Pool program for one year. Worked on Sensors, Phosphor and Nano Materials.
3. 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.
4. South Korea May, June 2008 "Visiting Scientist" under UGC, New Delhi  
Exchange Programme to work on "New rare earth doped light emitting Nanomaterials" (Synthesis and Application technology) for electroluminescence devices.
5. Singapore Oct., 2009 Visited Jeol Asia for SEM training.

Visited Singapore National University

6. USA            Oct., 2010        Presented Research Papers in ECS Meeting  
in Las Vegas ,USA.

Visited University of Louisville, Kentucky

7. USA            Oct., 2013        Presented Research Papers in ECS Meeting  
at San Francisco, USA.

Visited University of Berkeley, California.

8. USA            May., 2017        Presented Research Papers in ECS Meeting  
at New Orleans, USA.

Visited University of New Orleans

### **Nominations:**

1. I was nominated by Vice-Chancellor of M.D.University, as University Nominee on the Academic Council of YMCA Institute of Engg. &, Faridabad, for a period of Two years (8.7.2008 to 7.7.2010).
2. I was nominated by Vice-Chancellor of M.D.University, as University Nominee on the Board of Governors of B.S.Anangpuri Educational Institutes, Faridabad for a period of Three years (5.4.2011 to 4.4.2014).
3. I was nominated by Vice-Chancellor of M.D.University, as University Nominee on the Board of Governors of Somani (P.G.) Institute of Technology, Rewari, for a period of Three years (22.4.2011 to 21.4.2014).

4. I was nominated by Vice-Chancellor of M.D.University, as University Nominee on the Board of Governors of R.N.Engineering & Management College for Women, Rohtak, for a period of Three years (22.2.2011 to 21.2.2014).

**International/National Conference attended:**

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



and Technology, Karaikudi.

23. 211<sup>th</sup> Electrochemical Society Meeting at Hilton Hotel Chicago , USA. May 5- 12, 2007
24. Discussion meet on ElectroAnalytical Techniques and their Applications Feb.25-28, 2008  
Tea County, Munnar, Kerala.
25. National Conference on Photonics and Material science, Oct.24- 25, 2008  
Guru Jambeshwer University Hissar.
26. Chaired a session in Symposium on “ Trends in Translational Medicine” Jan 9 2008  
PGIMS, University of Health Sciences, Rohtak.
27. 218<sup>th</sup> Electrochemical Society(USA) Meeting at Rirvera Hotel Oct.10- 15, 2010  
Las Vegas USA.
28. Delivered Valedictory Address in the National Conference on Emerging Trend Dec. 25 2010  
in Electronics and Communication Engineering held at BRCM Bahal(INDIA).
29. Delivered Inaugural Address in the International Conference on Engineering and Science held at Rohtak (INDIA). Jan. 21 2011
30. International conference on Supramolecular Chemistry and Nanomaterials Feb.14-16, 2011  
(ICSN 2011), Mumbai University, Mumbai.
31. Chaired a workshop of Director/Principals of various Engg. Institutes to Feb 23 2011  
update the syllabi of various B.Tech.Courses held at M.D.University.
32. Universities of India-2011 Global Higher Education Summit Launch of Mar.11- 12, 2011  
University-Industry Congress, Mahabalipuram, T.N.
33. 13<sup>th</sup>International Conference of the International Academy of Physical Jun. 14- 16, 2011  
Sciences  
on Emerging Interfaces of Physical Sciences and Technology,  
University of Petroleum and Energy Studies, Dehradun (India) CONIAPS XIII.

34. Member organizing Committee "31<sup>st</sup> Inter Zonal Youth Fest-2011 at M.D.University, Rohtak. Nov.15- 17, 2011
35. Organized Science Conclave for School students (1600) at M.D.University, Rohtak, 2-3 Dec., 2011. The conclave was inaugurated by Dr.A.P.J.Abdul Kalam and presided by Sh.Bhupinder Singh Hooda, Chief Minister Haryana. Dec.2- 3 2011
36. Delivered Inaugural Address in the 2nd International Conference on Advanced Computing & Communication Technologies held at Rohtak (INDIA). Jan.7 2012
37. Attended National Workshop on Frontiers in Chemistry Organized by Sardar Patel University,Vallabh, Vidyanagar and Delivered Invited talk on Luminescent Nanomaterials. Feb.3-4 2012
38. Chaired a Session in International Conference on Green Technology for Environmental Rehabilitation (GTER-2012) held at Gurukul Kangri Haridwar. Feb.12-13, 2012
39. Chaired a workshop of Director/Principals of various Engg. Institutes to update the syllabi of various B.Tech. Courses. Mar. 21 2012
40. Patron of the Two Days Conference on Advances in computing Communication Network & Electrical Systems organized by University Institute of Engg. & Tech., M. D. University, Rohtak. Mar.27-28, 2012
41. Chaired a session in the INSPIRE Programme for Meritorious School students from Haryana, Organized at M.D.U. Rohtak. Apr.28-May 2 2012
42. Delivered Convocation Address in Dronacharya College of Engg. and Technology Farukh Nagar(Gurgoan). Jun. 16 2012
43. Delivered Inaugural Address in the INSPIRE Programme for Meritorious School Students from Haryana, Organized at IITB, Sonapat. Feb. 15 2013
44. Delivered Inaugural Address in the National Seminar on Recent Advancement in Science, Tech. & Management, held at International Group of Institutions, Jhundpur, Sonapat, Haryana. Feb.15-16, 2013
45. Presented Research Paper in International conference on Emerging Tech. Micro to Nano 2013(ETMN-2013) BITS Pilani Goa Campus, Goa. Feb. 23-24, 2013
46. Chief Guest on Closing Ceremony of Inter College Science Exhibition at PKSD (PG) College, Kanina, M.Garh. Haryana. Mar. 7 2013

47. Chief Guest on Oath taking Ceremony of Elected Member of School Student Council at Indus Public School, Rohtak, Haryana. Jul. 8 2013
48. Delivered Inaugural Address in the International conference on Emerging Trends in Tech. & Management, held at Sat Priya Group of Institutions, Rohtak , Haryana. Jul. 20 2013
49. Attended National workshop on Skilling India for Next Decade through National Vocational Education Qualification Framework (NVEQF) organized by Ministry of HRD and AICTE, at The Ashok, New Delhi. Sept. 30 2013
50. Chief Guest in National Conference of Emerging Trends and Innovations in Computer and Communication (NCETICC 2013), organized by Somany(P.G.) Institute of Technology and Management, Rewari. Oct. 19 2013
51. Presented research paper in 224<sup>th</sup> ECS Meeting at Hilton Hotel, San Francisco, USA. Oct.27- Nov.1 2013
52. Delivered Inaugural Address in the 4<sup>th</sup> International conference on Advanced Computing & Communication Technologies (ACCT-14) organized by the R. G. Education Society, Rohtak. Feb. 8-9 2014
53. Chief Guest on the occasion of Trokia 2014(Annual Fest) and delivered Inaugural Address in the MERI- college of Engg. and Technology, Sampla. Feb. 8 2014
54. Organized Science Conclave for School students (1600) at M.D.University, Rohtak, 22-23 Feb., 2014. The conclave was inaugurated by **Dr.T.Ramasami**, Secretary to Govt. of India, Dept. of Science and Technology, New Delhi. Feb.22- 23, 2014
55. Delivered Invited talk and Chaired a session in National Conference on Advances in Chemical & Environmental Sciences (ACES-2014), organized by Department of Chemistry, Arya P .G. College, Panipat. Feb. 27-28, 2014
56. Chief Guest on the occasion of Felicitation Ceremony, Delhi College of Technology & Management, Palwal. Apr. 18 2014
57. Guest of Honour on the occasion of Opening Ceremony of Coaching Programme for Bank Probationary Officers Examination, UCCE, M.D.University, Rohtak. May 17 2014
58. Chief Guest on the occasion of Valedictory function of Haryana Tourism Day hosted at Institute of Hotel & Tourism Management, M.D.University, Rohtak. Sept. 01 2014

59. Chief Guest on the occasion of Induction Programme, MCA Department, M.D.University, Rohtak. Sept. 02 2014
60. Delivered an Invited talk in National Conference on Nano- & Functional Materials (NFM-2014) organized by Department of Chemistry, BITS,Pilani. Nov. 7-8 2014
61. Chief Guest on the occasion of Valedictory function of AAGAAZ-2K14 Organized at Textiles Institute of Technology, Bhiwani. Nov.9 2014
62. Chief Guest in the State Level Science Exhibition held at Vaish College, Rohtak. Nov.11 2014
63. Delivered Extension Lecture on Polarography and Amperometric Technique in the Chemistry Department, DCRUST, Murthal. Nov.13 2014
64. Guest of Honor in Valedictory Function of the 5<sup>th</sup> International conference on Advanced Computing & Communication Technologies (ACCT-15) Organized by the R. G. Education Society, Rohtak. Feb.23 2015
65. Participated in the Author Workshop Jointly Organized by Springer and M.D.University, Rohtak, at M.D.University, Rohtak. Feb.25 2015 2015
66. Delivered a Lecture on Importance of Science on the occasion of the Science Day Celebration at M.D. University, Rohtak Feb.28 2015
67. Attended an International Symposium on Recent Advances in Chemistry at NEHU, Shillong and Delivered an Invited Talk on BaZr<sub>3</sub>O<sub>7</sub> Nanomaterials. March 3-5,2015
68. Visited University Science and Technology, Meghalaya, Techno City, Khanapara, Kling Road, Baridua, Meghalaya and Addressed the Faculty. March, 6 2015
69. Delivered an Invited talk and Chaired a Session in National Conference on Science and Technology for Human Development, organized by Indian Science Congress Association Chapter, Gurukul Kangri Hardwar . March 20-21, 2015
70. Delivered an Invited talk and Chaired a Session in National Conference on

- Science and Technology for Indigenous Development in India, organized by Indian Science Congress Association, Chapter, Gurukul Kangri Hardwar . Sept.28-30, 2015
71. Chief Guest in the National Conference on 'Recent Innovations in Applied Sciences and Humanities (ASH-2015) at Rawal Institute of Engg. & Technology Balbgarh ( Faridabad) and delivered Valedictory Address. Oct. 10 2015
72. Organized "Science for Rural Development (Grammin Vikash Me Vighyan Ka Yogdan) Seminar and Science Exhibition at Govt. Sr. Sec. School, Mokhra (ROHTAK) and deliver a talk on Science for Rural Development, Nov. 28 2015  
Sponsored by : Indian Science Congress Association, Kurukshetra Chapter.
73. Attended Indian Science Congress at Mysore University and Delivered an Invited talk on Luminescent Nano- Materials. Jan.3-7 2016
74. Attended Indian Science Congress at Mysore University, Mysore and Presented research Paper "Synthesis of Reddish-Orange  $\text{Sm}^{3+}$  Doped Nanophosphor for OLEDs. Jan.3-7 2016
75. Deliver a talk on "Recent Advances in Light Emitting Rare-earth Doped Nanomaterials" in "National Conference on Science & Technology for Development" Organized by The Indian Science Congress Association: Nov.22-23 2016 National  
Haridwar Chapter and Department of Chemistry, Gurukul Kangri Vishwavidyalaya, Haridwar
76. Presented paper "A orange-red emitting  $\text{SrZnV}_2\text{O}_7:\text{Sm}^{3+}$  nanophosphor for white light emitting materials" 104<sup>th</sup> Indian Science Congress Association, SV University, Tirupati. Jan.3-7 2017
77. Attended 104<sup>th</sup> Indian Science Congress Association, SV University, Tirupati, and delivered Invited talk "Luminescent Nano-Materials; Synthesis, Characterization and Applications". Jan. 3-7, 2017
78. Attended ECS Meeting, New Orleans (USA) and presented research paper. May,28-1, June, 2017

(S.P.KHATKAR)

