

## **Dr. Shish Pal Rathee**

**Associate Professor**

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### **A) Educational Qualification:**

<b>Degree</b>	<b>Year of Passing</b>	<b>University</b>
Ph.D.	2018	Chaudhary Devi Lal University, Sirsa
M.Phil	2008	Chaudhary Devi Lal University, Sirsa
M.Sc. (Physics)	2005	M. D. University, Rohtak
B. Sc (Physics)	2003	M. D. University, Rohtak

### **B) Career Profile:**

<b>Designation</b>	<b>Institute Served</b>	<b>Duration</b>
Assistant Professor	A.I.J.H.M. College , Rohtak	26 <sup>th</sup> July 2008- till date
Lecturer	CDRZ Polytechnic, Beri	26 <sup>th</sup> December 2007-25 July 2008

## LIST OF RESEARCH PUBLICATIONS

1. Investigations on crystal perfection, mechanical and thermo-electric properties of L-ornithine monohydrochloride single crystal: A promising material for nonlinear optical applications; **Shish Pal Rathee**, S.A. Martin Britto Dhas, Budhendra Singh, Igor Bdikin, Dharamvir Singh Ahlawat; Material Chemistry and Physics; **200** (2017) 376-383. **I.F. 2.101.**
2. Spectroscopic and Thermo- Electrical Investigation of Single Crystals of LOMHCl Grown by SEST for Second Harmonic Generation; **Shish Pal Rathee**, Dharamvir Singh Ahlawat; Optik 136 (2017) 249-258. **I.F. 0.79.**
3. Enhancement in second harmonic generation efficiency, laser damage threshold and optical transparency of Mn<sup>2+</sup> doped L-alanine crystals: A correlation with crystalline perfection; S. K. Kushwaha, **S. P. Rathee**, K. K. Maurya, G. Bhagavannarayana; Journal of Crystal Growth **328(1)** (2008) 81-88. **I.F. 1.79**
4. Growth, Structural, Optical and Mechanical Properties Of L- Leucine Hydrobromide: A NLO Crystal; **Shish Pal Rathee**, Dharamvir Singh Ahlawat; International Journal of Engineering Technology Science and Research; **5(4)** (2018) 494-498.
5. Effect of Cr(II) Doping on structural, optical and mechanical properties of L-alanine strontium chloride single crystal; **Shish Pal Rathee**, Dharamvir Singh Ahlawat; International journal of Advance Research and Engineering; **07(03) March 2018. I.F. 2.83.**

List of Papers Presented in National/ International conferences/ seminars during the session 2015-16.

<b>Sr. No.</b>	<b>Title of Paper Presented</b>	<b>Name of Conference/ seminar</b>	<b>Organizing Institute</b>	<b>Date</b>
1	Growth, Structural, thermal and optical characterization of L-Alanine Oxalate: a NLO Crystal	<b>National</b> Conference on Photonics and Material science	Guru Jambheshwer University of Science and Technology, Hisar	Nov 18-19 <sup>th</sup> , 2015
2	Synthesis, Growth And Characterization Of L- Leucine Hydrobromide: A Semi-organic	<b>National</b> Seminar on Crystal Growth and Applications	Bhabha Atomic Reseach Centre, Mumbai	Jan 19-21 <sup>th</sup> , 2016

	NLO Crystal			
3	Growth and Characterization of L-Ornithine mono hydrochloride single crystal	<b>International</b> Conference on Recent Trends and Material Science	Jaipur national University Jaipur	March 17-18 <sup>th</sup> , 2016
4	Quality Growth and Detailed Investigation on Structural, Optical and Mechanical behavior of L-Leucine Hydrobromide Single Crystal: A NLO material	<b>National</b> Conference on Emerging trends in Physics and Material Science	Ch. Devi Lal University Sirsa, Haryana	March 19-20 <sup>th</sup> , 2016

List of Papers Presented in National/ International conferences/ seminars during the session 2017-18.

<b>Sr. No</b>	<b>Title of Paper Presented</b>	<b>Name of Conference/ seminar</b>	<b>Organizing Institute</b>	<b>Date</b>
1	Influence of Cr(II) on structural and thermal properties of LaSrCl: A semi-organic NLO Material	<b>International</b> conference on Material Research and Technology	Aggarwal College Ballabgarh (Faridabad) Haryana	July 10-11 <sup>th</sup> , 2017
2	Influence of Mn (II) on Structural and Mechanical properties of LOMHCl single crystal	CONIAPS XXI <b>International</b> Conference of International Academy of Physical Sciences	Guru Jambheshwar University of Science and Technology, Hisar	Oct 28-30 <sup>th</sup> , 2017
3	Detailed Investigation on Synthesis, Quality grown of LLHBr single Crystal	<b>International</b> Conference on Advances in Optics and Photonics	Guru Jambheshwar University of Science and Technology, Hisar	Nov. 23-26 <sup>th</sup> , 2017

4	Enhancement in crystalline perfection and optical properties of LASRT single crystal: A promising NLO Material	<b>National</b> Conference on Recent Development in Science & Technology in Modern Era.	Arya PG College Panipat ( Hr)	Dec 15 <sup>th</sup> , 2017
5	Investigation on synthesis of semi-organic NLO Material.	<b>National</b> Seminar on Recent Trend in Science & Technology : A Computational approach	Ch. Bansi Lal University Bhiwani	March 22 <sup>nd</sup> , 2018
6.	Effect of Cr(II) Doping on structural, optical and mechanical properties of L-alanine strontium chloride single crystal	International Conference on Recent Research and Innovations in Sciences, Management , education and technology	JCD Vidya Peeth, Sirsa	Mar 27-28 <sup>th</sup> , 2018
7	Growth, Structural, Optical and Mechanical Properties Of L- Leucine Hydrobromide: A NLO Crystal	International Conference on Emerging Trends in Science and Technology	GIET Sonapat	April 13 <sup>th</sup> , 2018

List of Papers Presented in National/ International conferences/ seminars during the session 2018-19.

<b>Sr. No.</b>	<b>Title of Paper Presented</b>	<b>Name of Conference/ seminar</b>	<b>Organizing Institute</b>	<b>Date</b>
1	Enhancement in Crystalline perfection, Optical, mechanical and non-linear properties of L-Alanine Strontium Chloride trihydrate single crystal	International conference on Physics, Society and Technology	Delhi University, Delhi	Jan 17-19 <sup>th</sup> , 2019
2	Synthesis, Crystal Growth and investigation of solution grown single crystal: L-Leucine Nitrate	International Conference on Innovation in Chemical, biological and Environmental Sciences	Arya PG College Panipat ( Hr)	Feb 27-28 <sup>th</sup> , 2019
3	Investigation on solution growth L-ornithine monohydrochloride single crystal	National Conference on Recent Development in Science & Technology	Dyal Singh College Karnal ( Hr)	March 29 <sup>th</sup> , 2019

		in Modern Era.		
4	Investigation on solution growth L-ornithine monohydrochloride single crystal	National Conference on advancement of science and Technology	Baba Masthnath University, Rohtak	April 2 <sup>nd</sup> , 2019