


Profile

Title	Dr.	First Name	Suram	Last Name	Singh	
Designation	Assistant Professor					
Department	Department of Chemistry					
Email	suram_cheerful@rediffmail.com					
Webpage						
Employment Info						
Employee Type	Nature of Employment					
Teaching	Permanent					
Educational						
Degree	Institution					Year
Ph. D.	University of Jammu, Jammu					2017
Research Topic: Synthesis, Crystal Structure and Properties of Oxides Containing Iron in Octahedral Coordination						
M. Phil	University of Jammu, Jammu					2012
Title: Solid state chemistry of layered perovskite oxides						
PG	University of Jammu, Jammu					2011
UG	Govt. Degree College Kathua, University of Jammu, Jammu.					2008
Qualifications						
Examination Name	Conducted By				Date of Passing	
NET	CSIR				June, 2012	
Areas of Specialization: Solid State Chemistry and Material Science						
Publication Profile						

Research Publications:

1. **S. Singh** and D. Singh, Sol-gel synthesis of $\text{La}_{0.5}\text{Sr}_{0.5}\text{Ti}_{0.5}\text{Cr}_{0.5-x}\text{Fe}_x\text{O}_3$ perovskites: influence of Fe doping on structural and physical properties, *Ionics*, **24**, (March, 2018) 769–776. (Springer-Berlin).

[Impact factor = 2.961 ©Thomson Reuters]

2. **S. Singh** and D. Singh, Structural and magnetic characterization of nanocrystalline LaFeO_3 synthesized by low temperature combustion technique using different fuels, *Indian journal of Chemistry*, **56A**, (October, 2017) 1041–1047.

[Impact factor = 0.494 ©JCR 2023]

3. **S. Singh** and D. Singh, Structural, magnetic and electrical properties of Fe-doped perovskite manganites $\text{La}_{0.8}\text{Ca}_{0.15}\text{Na}_{0.05}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0, 0.05, 0.10$ and 0.15). *Journal of alloys and compounds*, **702**, (April, 2017) 249–257. (Elsevier- The Netherlands)

[Impact factor = 6.37©Clarivate Analytics, 2023]

4. **S. Singh** and D. Singh, Effect of increasing Sr content on structural and physical properties of K_2NiF_4 -type phase GdSrFeO_4 , *Ceramics International*, **43**, (February, 2017) 3369–3376. (Elsevier- The Netherlands)

[Impact factor = 5.2©Clarivate Analytics, 2023]

5. **S. Singh** and D. Singh, Synthesis of LaFeO_3 nanopowders by glycine-nitrate process without using any solvent: effect of temperature, *Monatshefte für Chemie-Chemical Monthly, An International Journal of Chemistry*, **148**, (May, 2017) 879–886. (Springer-Berlin)

[Impact factor = 1.813 ®Thomson Reuters]

6. **S. Singh** and D. Singh, LaSrFeO_4 nanopowders synthesized by different combustion methods: Effect of fuel/particle size, *Ceramics International*, **42**,

(November, 2016) 15725–15731. (Elsevier- The Netherlands)

[Impact factor = 5.2©Clarivate Analytics, 2023]

7. D. Singh, **S. Singh**, A. Mahajan and N. Choudhary, **Effect of substitution of magnetic rare earth Nd at non-magnetic La site on structure and properties of LaSrFeO₄**, *Ceramics International*, **40**, (January, 2014) 1183–1188. (Elsevier-The Netherlands)

[Impact factor = 5.2©Clarivate Analytics, 2023]

8. D. Singh, **S. Singh** and A. Mahajan, **Structure and magnetic properties of nano-sized perovskite oxide La_{0.5}Sr_{0.5}Ti_{0.5}Fe_{0.4}Cr_{0.1}O₃ synthesized by the citrate precursor method**, *Monatshefte für Chemie - Chemical Monthly, An International Journal of Chemistry*, **145** (August, 2014) 1235–1241. (Springer-Berlin)

[Impact factor = 1.282 ®Thomson Reuters]

9. S. Gupta, A. Mahajan, **S. Singh** and D. Singh, **Effect of Fe-doping on structural, magnetic and electrical properties of non-magnetic and magnetic rare earth-based perovskite chromites La_{0.5}Nd_{0.5}Cr_{1-x}Fe_xO₃ (0 ≤ x ≤ 1)**, *Ionics*, **24**, (February, 2018) 459–468. (Springer-Berlin)

[Impact factor = 2.961 ©Thomson Reuters]

10. D. Singh, N. Choudhary, A. Mahajan, **S. Singh** and S. Sharma, **Nanosized rare earth cobaltite LaCoO₃ synthesized by urea-combustion method**, *Ionics*, **21** (April, 2015) 1031–1037. (Springer-Berlin)

[Impact factor = 2.961 ©Thomson Reuters, 2023]

11. D. Singh, N. D. Sharma, A. Mahajan and **S. Singh**, **Synthesis, structure, and magnetic properties of the perovskite La_{0.3}Sm_{0.2}Sr_{0.5}Ti_{0.5}Fe_{0.5}O₃**, *Monatshefte für Chemie - Chemical Monthly, An International Journal of Chemistry*, **147** (June, 2016) 989–993. (Springer-Berlin)

[Impact factor = 1.282 @Thomson Reuters, 2023]

12. D. Singh, S. Sharma, A. Mahajan, **S. Singh** and R. Singh, **Synthesis and characterization of layered perovskite type oxides $\text{LnSr}_2\text{MnFeO}_7$ (Ln = La, Nd, Gd, and Dy)**, *Ionics*, **19**, (November, 2013) 1603–1610. (Springer-Berlin)

[Impact factor = 2.961 @Thomson Reuters, 2023]

13. D. Singh, S. Sharma, A. Mahajan, **S. Singh** and R. Singh, **Synthesis and Characterization of the K_2NiF_4 -Type Phases $\text{Ln}_{0.5}\text{Sr}_{1.5}\text{Mn}_{0.5}\text{Fe}_{0.5}\text{O}_4$ (Ln = La, Nd, Gd, and Dy)**, *Ionics*, **19**, (September, 2013) 1297–1302. (Springer-Berlin)

[Impact factor = 2.961 @Thomson Reuters, 2023]

14. S. Sharma, A. Mahajan, **S. Singh**, R. Singh and D. Singh, **Synthesis and characterization of layered perovskite oxides $(\text{La,Sr})_{n+1}(\text{Ti,Cr})_n\text{O}_{3n+1}$ (n = 1, 2)**, *Ionics*, **19**, (March, 2013) 505–509. (Springer-Berlin)

[Impact factor = 2.961@Thomson Reuters, 2023]

15. D. Singh, S. Sharma, A. Mahajan, **S. Singh** and R. Singh, **Effect of partial substitution of magnetic rare earths for La on the structure, electric transport and magnetic properties of oxygen deficient phase $\text{LaSr}_2\text{MnCrO}_{7-\delta}$** , *Bulletin of Korean Chemical Society*, **34** (2013) 1679.

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LIST OF PAPERS/POSTERS PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES

1. Presented paper entitled “**Advancement of medicinal plants and herbs in human health and national economy**” in *Two Day International Conference on “Ethnobiology*, held at Govt. Degree College Billawar, J&K, on 25-26 November, 2022.
2. Presented paper entitled “**Chemistry in everyday life: Preliminary Information**” in the *National Multi Disciplinary Conference on “Recent Trends in Agriculture, Bio*

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- Sciences, Computer sciences, Environmental and Humanities*, Organized by Govt. Degree College Billawar, J&K, on 24th of March, 2022.
3. Presented paper entitled **“Magnetic and Structural properties of nano-sample”** in the 2nd national Conference on **“Role of Mathematics and Computer Science in Advancement of Physics”** (RMCSAP 2017) organized by Department of Physics, Government Degree College Kathua (J&K) on 10th and 11th of November, 2017.
 4. Presented paper entitled **“Evaluation of crystal structure and physical properties of LaFeO₃ nanopowders prepared by different methods”** in the 11th National Conference of The Indian Thermodynamics Society on **“Advances in Chemical Sciences and Thermodynamics”** organized by Department of Chemistry, University of Jammu, Jammu, from 02nd to 03rd December, 2016.
 5. Presented poster entitled **”Synthesis and Characterization of Ruddlesden-Popper Phase LaSrFeO₄” at the North Zone Meeting, 2011 of the Chemical Research Society of India**, organized by Department of Chemistry, University of Jammu, Jammu, from September 22-24, 2011.
 6. Presented paper entitled **“Insulator-Metal Transition in Intergrowth Type Perovskite Oxides”** in the 7th JK Science Congress (JKSC-11), organized by University of Jammu, Jammu, in collaboration with J&K State Council for Science and Technology, from October 13-15, 2011.
 7. Presented paper entitled **“Synthesis and Investigation on electric Transport and Magnetic Properties of Layered Perovskite Type Oxides”** in the International Symposium on **“Recent Advances in Green Chemistry and Chromatographic Sciences”** organized by Indian Society of Analytical Scientists at **Manav Rachna International University, Faridabad**, from January 12-14, 2012.
 8. Presented paper entitled **“Global Warming, its Environment Impact and Destruction”** in the **International Conference on Global Warming: The Biggest Challenge of 21st Century**, UGC Sponsored and organized by Govt. Degree College (Boys) Udhampur, J&K, from February 24-26, 2012.
 9. Participated in the **“101st Indian Science Congress Association 14, Dr. Biresh Guha Street, Kolkata -700017”** held at University of Jammu, Jammu from 3rd to 7th of February, 2014.

10. Participated in the “**101st Indian Science Congress Association 14, Dr. Biresh Guha Street, Kolkata -700017**” held at University of Jammu, Jammu from 3rd to 7th of February, 2014.

List of induction/orientation /FDP/refresher /multidisciplinary Programme /courses attended under CAS:

1. Attended online Two-Week long FDP (equivalent to Refresher course) in ***Chemical sciences*** from 01-15 Feb., 2022 with grade “**A**” organized by ***TLC, Ramanujan College, University of Delhi in collaboration with IQAC, Miranda House University of Delhi under the aegis of MoE, PMMMNMTT.***
2. Attended online Two-Week long Workshop on “***Comprehensive e-learning to e-training guide for Administrative Work***” from 25th of May- 5th of June 2020, organized by TLC, Ramanujan College, University of Delhi Sponsored by Ministry of HRD under the aegis of PMMMNMTT.
3. Successfully completed Two-Week FDP on “***Managing online classes and co-creating MOOCS***” from May 18-June 03, 2020 organized by TLC, Ramanujan College, University of Delhi Sponsored by Ministry of HRD under the aegis of PMMMNMTT.
4. Successfully completed a 4-Week Induction/Orientation Programme for on “***Faculty in University/College/HEIs***” from Jue 04- July 01, 2020 organized by TLC, Ramanujan College, University of Delhi Sponsored by Ministry of HRD under the aegis of PMMMNMTT.
5. Successfully completed One-Week FDP on “***ICT-based Learning and Developing MOOCS***” for Teaching Process in Higer Education held from December 29-January 04, 2021 organized by TLC, Ramanujan College, University of Delhi Sponsored by Ministry of HRD under the aegis of PMMMNMTT.

I declare that the above particulars are correct to the best of my knowledge.

Dated: 2nd of Feb., 2024

Place: GGM Science College, Jammu

Suram Singh