


Curriculum Vitae

Professor Satish Chandra Sati, FISCA		
Designation:	Professor	
Department:	Chemistry	
Specilization	Organic Chemistry	
Campus:	Srinagar	
		
Mobile:	09412989473	
Email	sati_2009@rediffmail.com	
Education Qualification:	M.Sc., D. Phil	
Teaching Experience:	23Years	Research Experience - 27 Years
<p>H index - 15 Total Citations – 1070 I 10 index - 25 Research Interest and Fields of Specialization 1.Natural Products Chemistry 2.Organic Synthesis 3.Material Chemistry and Nanotechnology 4.Medicinal Chemistry 5.Natural Dyes</p>		
<p>Membership/ Fellow of Scientific Organizations/others Fellow of International Science Congress Association (ISCA). All India Chemistry Teachers Association. Member of Indian Council of Chemists. Member of Indian Chemical Society. Member of Indian Society for Mass Spectrometry. General Secretary of International Goodwill Society of India, Garhwal Chapter. Fellow of Vigyan Parishad Uttarakhand General Secretary of Garhwal Gramodhyog evam Paryavaran Vikas Samiti, Chamoli - Garhwal, Uttarakhand.</p>		
<p>Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered) Awarded - 10 Registered - 02</p>		
<p>Administrative Experience 1.Programme Officer NSS</p>		

2. Senior Programme Officer NSS
3. Deputy Controller of Examinations
4. Deputy Proctor

Scientific Visits Abroad/ International Collaboration.

1. Dubai and Abudhabi (UAE) International Conference.
2. Bali Australlia, International Conference.

Research Papers Published (Last five years)

1. Darshan Singh, **Satish C. Sati** and Manisha D. Sati In vitro antimicrobial screening of medicinally used *Eria alba*, *European Journal of Pharmaceutical and Medical Research*, 2017, 4(4),681-683.
2. Darshan Singh, **Satish C. Sati** and Manisha D. Sati In-vitro Antibacterial and Antifungal activity of *Senecio chrysanthemoides*, *World Journal of Pharmaceutical Research*, 2017, 6(5); 863-868.
3. Darshan Singh, **Satish C.Sati** and Manisha D.Sati, In vitro-antimicrobial activity of Himalayan medicinal plant *Senecio chrysanthemoides*, *European Journal of Pharmaceutical and Medical Research*, 2017,4(5),587-590.
4. Gurpreet Kour, **S. C. Sati**, Manisha Sati. Rapid green synthesis of silver nanoparticles using leaf extract of *Ficus auriculata*: Characterization and Antimicrobial studies, *International Journal of Pharma and Biosciences*.2017, 8(2), 276-282, ISSN -0975 -6299.
5. Darshan Singh, **Satish C. Sati**, Manisha D. Sati, Phytochemical screening and evaluation of antibacterial activity of alkaloids extract of *Senecio chrysanthemoides*, *European Journal of Pharmaceutical and Medical Research*, 2017,4(11), 358-362
6. Singh, D., **Satish, C. S.**, & Manisha, D. S. (2017). Chemical and potential biological perspectives of genus *Senecio* [Asteraceae]. *Eur J Pharm Med Res*, 4(11), 200-22.
7. Darshan Singh, **Satish C.Sati**, Manisha D. Sati, Phytochemical and Pharmacological research on plants from the genus *Pholidota* (Orchidaceae), *European Journal of Pharmaceutical and Medical Research*,4(11), 191-199, 2017.
8. Darshan Singh, S.C. Sati, **Manisha D. Sati**, In vitro Antimicrobial activity of *Senecio chrysanthemoides*, *European Journal of Biomedical and Pharmaceutical science*, 4(11), 332-334, 2017.
9. Darshan Singh, **Satish C.Sati**, **Manisha D. Sati**, Antimicrobial Activity Nutritional Profile and Quantitative study of different fractions of *Senecio chrysanthemoides*, *European Journal of Pharmaceutical and Medical Research*,

4(11), 354-357, 2017.

10. Darshan Singh, Satish C.Sati and **Manisha D.Sati** In vitro antimicrobial screening of medicinally used *Eria alba*, *European Journal of Pharmaceutical and Medical Research*, 4(4),681-683, 2017.
11. Kaur, G., Tripathi, P. K., **Sati, S. C.**, & Mir, M. A. (2018). Synthesis of Silver nanoparticles using leaves extract of *Ficus palmata* and evaluation for its Antimicrobial and Antioxidant activities. *Asian Journal of Pharmacy and Pharmacology*, 4(2), 192-198.
12. Bhatt, U. P., **Sati, S. C.**, Bahuguna, R. P., Semwal, R. B., & Semwal, D. K. (2018). Two antidiabetic constituents from *Roylea cinerea* (D. Don) Baill. *Natural product research*, 32(11), 1281-1286.
13. **S.C. Sati**, Maneesha D. Sati and Gurpreet Kaur, Determination of Antioxidant Activity of *Ficus auriculata* Leaves, *U. Journal of Phytochemistry and Ayurvedic Heights*, Vol.2, No.25, 11-15, 2018.
14. **S.C. Sati**, P. K. Tripathi and Manisha D Sati, Green Synthesis of Silver Nanoparticle from Leaves of *Artemisia roxburghiana*, *Journal of Applicable Chemistry*, 2018, 7(4): 835-842, ISSN: 2278-1862.
15. P.K. Tripathi and **S.C. Sati**, (2019), Green synthesis of Ag/Cu Bimetallic nanoparticles and determination of its antimicrobial and antioxidant activities, *Journal of Emerging Technologies and Innovative Research*, 6(4), 627-633.
16. **S C Sati** and Ankit Singh Bartwal, (2020), Chemical Constituents from bark of *Euonymus tingen* (*Celastraceae*), *JETIR*,7(6), 1994-1997.
17. **Sati, S.C.**, Kour, G., Bartwal, A.S. and Sati, M.D. 2020. "Biosynthesis of Metal Nanoparticles from Leaves of *Ficus palmata* and Evaluation of Their Anti-inflammatory and Anti-diabetic Activities". *Biochemistry* (ACS Journal); volume 59(33): pp. 3019-3025. <https://doi.org/10.1021/acs.biochem.0c00388>.
18. Bartwal, A.S., Sumit and **Sati, S.C.** 2020. "Biosynthesis of silver nanoparticles from flowers of *Rhododendron campanulatum* tree of Tungnath Himalaya". *Applied Innovative Research* (NISCAIR); 2(1): pp. 39-43, ISSN: 2581-8198 (Online). <http://nopr.niscair.res.in/handle/123456789/54962>.
19. **Sati, S.C.**, Sumit, Bartwal, A.S. and Aggarwal, A.K. 2020. "Green synthesis of silver nanoparticles from *Citrus medica* peels and determination of its antioxidant activity". *Applied Innovative Research*, 2(1), pp.56-60, ISSN: 2581-8198 (Online).
20. Tripathi, P.K., Bartwal, A.S. and **Sati, S.C.** 2021. "Plant Mediated Synthesis of Zinc Oxide Nanoparticles and Evaluation of Its Anti-microbial and Anti-oxidant Activities". *UJPAH*, 1 (30), 67-74.
21. Bartwal, A.S., Sumit and **Sati, S.C.** 2021. "Antimicrobial Activity of AgNPs

Synthesized via Green Approach by Using Flowers of *Bistorta macrophylla* Herb of Tungnath Himalaya Region". *JMR*, 16(1), 161-167. <https://doi.org/10.51220/jmr.v16i1.16>

22. Ringwal, S., Bartwal, A.S., and Sati, S.C. 2021. "Review On Green Synthesized Nanocomposites and Their Biological Activities" *JMR*, 16(1), 181-186. DOI: <https://doi.org/10.51220/jmr.v16i1.18>
23. Ringwal, S., Bartwal, A.S. and Sati, S.C. 2021. "Photo-Catalytic Degradation of Different Toxic Dyes Using Silver Nanoparticles as a Photo-Catalyst, Mediated from *Citrus aurantium* Peels Extract". *Jour. of Indian Chem. Society*, JINCS-D-21-00500. <https://doi.org/10.1016/j.jics.2021.100221>. (UGC Listed- IF 0.5).
24. Sati, S.C., Bartwal, A.S., Ringwal, S., Kour, G. and Rawat, R. 2021. "Investigation of Catalytic Property of Plant Mediated Silver Nanoparticles as Degradation of Toxic Dyes in Water". *Jour. of Mountain research*, 16(2), 13-19. DOI: <https://doi.org/10.51220/jmr.v16i2.3>. (UGC Listed web of science).
25. Ringwal, S., Bartwal, A.S. and Sati, S.C. 2021. "Evaluation of Antioxidant Activity of Synthesized Silver Nanoparticles from *Citrus aurantium* Peels Extract by Using the Green Method". *Jour. of Mountain research*. 16(2), 191-198. DOI: <https://doi.org/10.51220/jmr.v16i2.24>. (UGC Listed web of science).
26. Ringwal, S., Bartwal, A.S., Semwal, A.R. and Sati, S.C. 2021. "Photo-catalytic degradation of toxic dyes by Silver Nanoparticles synthesized from peels extract of *Citrus medica* through green method", *UJPAH*. (Peer reviewed).
27. Ringwal, S., Bartwal, A. S. and Sati, S. C., 2022. Determination of antioxidant and catalytic activity of bio-synthesized Ag-MgO nanocomposite from peels extract of *Citrus aurantium* in the rapid treatment of wastewater management. *Inorganic Chemistry Communications*, 140, 109385. (IF 2.495).
28. S. C. Sati¹, Maneesha D. Sati² and Shikha Sexena³, 2022, Phytochemical Investigation of EtOH extract of flowers of *Senecio chrysanthemoide*, *Asteraceae*, *Universities Journal of Phytochemistry and Ayurvedic Heights*, 2 (31), 62 - 68. ISSN - 2391-3211 (Peer reviewed).

Conference/Symposium/Workshop Organized during last five years.

Recent Advancement in Natural Products Chemistry and Nanotechnology (RANPCN - 2019)

National Seminar on structure elucidation of organic compounds using NMR and Mass Spectrometry 2022

Conference/Symposium/Workshop Attended or Participated during last five years.

International -10

Book Published during last five years.

Integrated Chemistry I, 978-93-86633-72-9, Pragati Prakashan Meerut, 2017

Integrated Chemistry II, (Chemical energetics , equilibria and functional organic chemistry), ISBN No. 978-93-86-306-45-6, Pragati Prakashan Meerut, 2017

Integrated Chemistry III, 978-93-87151-28-4, Pragati Prakashan Meeru, 2017

Integrated Chemistry IV, (Chemistry of s- and p- block elements, states of matter and chemical kinetics), ISBN No. 978-93-86306-46-3, Pragati Prakashan Meerut, 2017

Polymer Chemistry. 978-93-87151-18-5, Pragati Prakashan Meerut, 2017

Chemistry – I , 978-93-86633-72-10 (On NEP Syllabus of Chemistry HNBGU Srinagar Uttarakhand. Pragati Prakashan Meerut, 2022

Total Number of Research Publications: 98