



## Dr. Satpal Singh Badsara, PhD

Assistant Professor  
203-MFOS Laboratory, Department of Chemistry  
University of Rajasthan, JLN Marg, Jaipur  
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**Group homepage:**

<https://sites.google.com/view/mfoslaboratory/home?authuser=0>



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### Personal Information

**Date of Birth:** June 28, 1983

**Nationality** Indian

### Professional and Academic Journey

**Assistant Professor:** 2014-Continue

**DST INSPIRE Faculty:** 2015- 2020 (Availed Research Grant)

**Post-Doctoral Researcher:** Oct. 2013 to Dec.-2014 with Professor Chin-Fa Lee

*National Chung Hsing University, Taiwan ROC.*

**Doctor of Philosophy (Ph. D.):** 08/2013 with Professor D. Basavaiah

*University of Hyderabad, Hyderabad.*

**Master of Science (M. Sc.):** 2006; *Banaras Hindu University (B. H. U.)*

### Awards/Achievements

1. **ISCB Young Scientist Award-2019** in **Chemical Sciences** by Indian Society of Chemists and Biologists, India.
2. **DST INSPIRE Faculty Award** by Indian National Science Academy (Department of Science & Technology, Government of India in 2015).
3. **Core Research Grant** by SERB, Department of Science & Technology, Government of India in 2020.
4. **Young Scientist Scheme** by SERB, Department of Science & Technology, Government of India in 2015.
5. Awarded **NSC Post-Doctoral Fellowship** by NSC Taiwan.
6. Qualified **CSIR-JRF** (through national eligibility test) and also qualified for **SPM Examination**.

7. Qualified in All India Graduate Aptitude Test in Engineering (GATE) in Chemistry (All India Rank 71).
8. Awarded Junior Research Fellowship (JRF) & Senior Research Fellowship (SRF) by CSIR New Delhi.
9. Selected for **State Talent Search Examination** (1995-96) organized by Rajasthan State Council of Educational Research & Training, Udaipur.

### Research Interest

- Electro-Organic Synthesis
- Transition Metal-Free Approaches for Organic Synthesis
- Baylis-Hillman Chemistry

### R & D Projects as Principal Investigator

S.N.	Title	Name of funding agency	Amount (INR)	Duration	Status
1.	“Development of Electrochemical Strategies for Carbon-Chalcogen Bond Formations”	SERB-INDIA (CRG)	36,56,268	2020-2023	Completed
2.	Development of Novel Metal Free Organic Transformations for the Synthesis of Oxindole Containing Heterocycles and Evaluation of Their Biological Activities	CSIR-INDIA (EMR)	35,00,000	2018-2021	Completed
3.	Development of Novel Metal Free Organic Transformations: Transition Metal Catalysis versus Peroxide Catalysis in sp <sup>3</sup> C-H Borylation	DST-INDIA (INSPIRE Faculty)	35,00,000	2015-2020	Completed
4.	New Dimension towards C-H Functionalization: Development of Novel Metal Free C-H Silylation Reactions	SERB-INDIA (YSS)	27,34,000	2016-2019	Completed
5	Application of Iron Catalysis in the Development of C-H Borylation Reactions and Diastereoselective Synthesis of C-Aryl and C-Vinyl Glycosides	UGC-INDIA (Start-up)	6,00,000	2015-2017	Completed

## Membership of Academies Societies

1. Member (MRSC) of **The Royal Society of Chemistry**, Cambridge, CB4 0WF, UK (**MRSC-666954**)
2. Life Member of Chemical Research Society of India (**No-LM2834**).
3. Life Member of Indian Society of Chemists and Biologists, India (**No.-LF/820/2017**).
4. Life Member Indian Science Congress Association (**No. L40730**)

## Administrative, Related Experiences

- **Convener**, International Conference on “Frontiers at the Chemistry - Allied Sciences Interface (FCASI 2023; April 20-21, 2023).
- **Joint Director** (Research): Centre for Converging Technologies, University of Rajasthan (Sep 2021-Feb 2023).
- **Vice-Principal**: University Maharaja College, University of Rajasthan (Sep 2019-Sep 2021).
- **Coordinator (Chemistry)**: Centre for Converging Technologies, University of Rajasthan (Nov. 2017-Sep 2021).
- **Member**, Local Advisory Committee (LAC) DST-SAIF Programme, University of Rajasthan.
- **Member**, UGC-CAS Advisory Committee - Department of Chemistry, University of Rajasthan
- **Organizing Secretary**, International Conference on “Frontiers at the Chemistry - Allied Sciences Interface (e-FCASI 2020; June 30, 2021).
- **Organizing Secretary**, International Conference on “Frontiers at the Chemistry - Allied Sciences Interface (FCASI-2018; December 21-22, 2018).
- **Joint-Organizing Secretary**, International Conference on “Frontiers at the Chemistry - Allied Sciences Interface (FCASI-2017; July 22-23, 2017).
- **Coordinator**- International Conference on “Frontiers at the Chemistry - Allied Sciences Interface (FCASI-2016; April 25-26, 2016).

## Teaching

**Courses Taught (UG Level):** (i) CH-102 (Paper -II): Organic Chemistry (ii) CH-301(Paper -II): Inorganic Chemistry (iii) CH-302 (Paper -II): Organic Chemistry (iv) Chemistry Lab

**Courses Taught at PG Level:** (i) CHE-902: Organic Synthesis-I (ii) CHE-X02: Organic Synthesis-II (iii) CHE A11: Elective Lab

## Thesis / Project Supervision

### Ph. D. Awarded: 4

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|----------------------------|--------------------------------|
| (i) Dr. Rekha Bai          | (ii) Dr. Pratibha Singh        |
| (iii) Dr. Rakhee Choudhary | (iv) Dr. Kamlesh Kumar Dabaria |

### Dissertation (M. Sc. Degree) Awarded: 13

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|-------------------------------------|--|
| (i) Ms. Anuja Rathi (2016)          | Amity University-Rajasthan                   |
| (ii) Ms. Santosh Gurjar (2017)      | Jayoti Vidyapeeth Women's University, Jaipur |
| (iii) Ms. Hemkiram Mangawa (2017)   | Jayoti Vidyapeeth Women's University, Jaipur |
| (iv) Ms. Akanksha Choudhary (2018)  | University of Rajasthan, Jaipur              |
| (v) Ms. Kumari Sanju (2018)         | University of Rajasthan, Jaipur              |
| (vi) Mr. Deepak Sharma (2018)       | University of Rajasthan, Jaipur              |
| (vii) Mr. Kamlesh Saini (2019)      | University of Rajasthan, Jaipur              |
| (viii) Ms. Sristy Gupta (2019)      | University of Rajasthan, Jaipur              |
| (ix) Ms. Shreya Sharma (2019)       | NIT Jalandhar                                |
| (x) Ms. Priya Poonia (2019)         | NIT Jalandhar                                |
| (xi) Ms. Krishna Atal (2020)        | University of Rajasthan, Jaipur              |
| (xii) Mr. Nandesh Baghoriya (2021)  | University of Rajasthan, Jaipur              |
| (xiii) Ms. Akanksha Agrawal (2022)  | University of Rajasthan, Jaipur              |
| (xiv) Ms. Ms. Alisha Chhabra (2023) | University of Rajasthan, Jaipur              |

## Publications:

**Total Number = 43**

**Total Impact Factor = 260<sup>+</sup>**

**Total Citation: 2197**

(Source: [https://scholar.google.com/citations?user=s\\_aJc30AAAAJ&hl=en](https://scholar.google.com/citations?user=s_aJc30AAAAJ&hl=en) & 2022 Journal Citation Reports, Thomson Reuters)

### *From University of Rajasthan (Total No: 27):*

#### 43. *Electrochemical selective divergent C-H chalcogenocyanation of N-heterocyclic scaffolds*

K. Ucheniya<sup>‡</sup>, P. Jat<sup>‡</sup>, A. Chouhan, L. Yadav, **S. S. Badsara**, *Org. Biomol. Chem.*, **2024**,

<https://doi.org/10.1039/D4OB00448E>

<sup>‡</sup> *This authors contributed equally and are joint first authors.*

#### 42. *Cs<sub>2</sub>CO<sub>3</sub>-Mediated synthetic strategy for iprobenfos derivatives via thiophilic addition of H-phosphites on in situ generated thioaldehydes*

C-F. Lee, R. Bai, K-C. Liu, Z-W. Chen, A. Gurjar, **S. S. Badsara**, *Arkivoc* **2023** (ii) 202312055

#### 41. *Electrochemical site-selective direct C-H sulfenylation and selenylation of a chromone-fused-indolizine (CFI) skeleton*

- P. K. Jat, L. Yadav, A. Chouhan, K. Ucheniya, **S. S. Badsara**, *Chem. Commun.*, **2023**, 59, 5415-5418
- 40.** *Electrochemical direct C-H mono and bis-chalcogenation of indolizine frameworks under oxidant-free conditions*  
A. Chouhan, K. Ucheniya, L. Yadav, P. Jat, A. Gurjar, **S. S. Badsara**, *Org. Biomol. Chem.*, **2023**, 21, 7643-7653.
- 39.** *Electrochemical, regioselective, and stereoselective synthesis of allylic thioethers and selenoethers under transition-metal-free and oxidant-free conditions*  
K. Ucheniya, A. Chouhan, L. Yadav, P. K. Jat, **S. S. Badsara**, *J. Org. Chem.*, **2023**, 88, 6096.
- 38.** *Palladium-catalyzed synthesis of 2,3-disubstituted indoles via arylation of ortho-alkynylanilines with arylsiloxanes*  
Y-T. Hsia, Y-L. Lu, R. Bai, **S. S. Badsara**, C-F. Lee, *Org. Biomol. Chem.*, **2023**, 21, 7602-7610.
- 37.** *Base-mediated chalcogenoaminative annulation of 2-alkynylanilines for direct access to 3-sulfenyl/selenyl-1H-indoles*  
W-C. Chen, R. Bai, W-L. Cheng, C-Y. Peng, D. M. Reddy, **S. S. Badsara**, C-F. Lee, *Org. Biomol. Chem.*, **2023**, 21, 3002.
- 36.** *Electrochemical bis-arylation of carbonyls: A direct synthetic strategy for bis(Indolyl)methane*  
P. K. Jat, K. K. Dabaria, R. Bai, L. Yadav, **S. S. Badsara**, *J. Org. Chem.*, **2022**, 87, 12975.
- 35.** *Electrochemical Cascade Thia-Michael and Thioacetalization of Cyclic Enones*  
L. Yadav, Maneesha, K. K. Dabaria, P. K. Jat, A. Gurjar, **S. S. Badsara**, *Synthesis*, **2022**, 54, 5479.
- 34.** *Electricity Promoted Chemoselective Functionalization of Alkenes: Diastereoselective Synthesis of Oxindole Containing Thioethers and Selenoethers*  
K. K. Dabaria, R. Bai, **S. S. Badsara**, *ChemistrySelect*, **2022**, 7, e202202992.
- 33.** *Cesium Carbonate-Catalyzed Synthesis of Phosphorothioates via S-Phosphination of Thioketones*  
Z-W. Chen, P. Annamalai, R. Bai, Y. Hu, **S. S. Badsara**, K-W. Huang, C-Fa Lee, *Chem. Commun.*, **2022**, 58, 11001.
- 32.** *Atom-Economical, Catalyst-Free Hydrosulfonation of Densely Functionalized Alkenes: Access to Oxindole Containing Sulfones*  
K. K. Dabaria, R. Bai, P. K. Jat, **S. S. Badsara**, *New J. Chem.*, **2022**, 46, 12905

- 31.** *Blue LED-Mediated Syntheses of Arylazo Phosphine Oxides and Phosponates via N-P Bond Formation*  
B-R. Shen, P. Annamalai, R. Bai, **S. S. Badsara**, C-F. Lee, *Org. Lett.*, **2022**, *24*, 5988.
- 30.** *Room temperature, metal-free, regio-selective arylselenation of anilines using diselenides as selenium source*  
R. Bai, K. K. Dabaria, **S. S. Badsara**, *Synthesis*, **2022**, *54*, 2487.
- 29.** *The journey of C-S bond formations from metal to electro-catalysis*  
Z-W. Chen, R. Bai, P. Annamalai, **S. S. Badsara**, Chin-Fa Lee, *New J. Chem.*, **2022**, *46*, 15 (Perspective).
- 28.** *Carbon-Sulfur Bond Constructions: From Transition-Metal Catalysis to Sustainable Catalysis*  
P. Annamalai, K-C. Liu, **S. S. Badsara**, C.-F. Lee, *Chem. Rec.*, **2021**, *21*, 3674 (Personal Account).
- 27.** *Catalyst-Free Synthesis of Phenanthridines via Electrochemical Coupling of 2-Isocyanobiphenyls and Amines*  
B. K. Malviya, K. Singh, P. Jaiswal, M. Karnatak, V. P. Verma, **S. S. Badsara**, S. Sharma, *New. J. Chem.*, **2021**, *45*, 6367.
- 26.** *Electrochemical Synthesis of Carbodiimides via Metal/Oxidant-Free Oxidative Cross-Coupling of Amines and Isocyanides*  
B. K. Malviya, P. K. Jaiswal, V. P. Verma, **S. S. Badsara**, S. Sharma, *Org. Lett.*, **2020**, *22*, 2323.
- 25.** *Highly Atom-Economic, Catalyst-free, and Solvent-free Phosphorylation of Chalcogenides*  
R. Choudhary, P. Singh, R. Bai, M. C. Sharma, **S. S. Badsara**, *Org. Biomol. Chem.*, **2019**, *17*, 9757.
- 24.** *Substrate Switched Dual Functionalization of Alkenes: Catalyst-free Synthetic Route for  $\beta$ -hydroxy and  $\beta$ -keto Thioethers*  
**S. S. Badsara**, P. Singh, R. Choudhary, R. Bai, M. C. Sharma, *New. J. Chem.*, **2019**, *43*, 11045.
- 23.** *Cationic Pd(II) catalyzed regioselective intramolecular hydroarylation for the efficient synthesis of 4-aryl-2-quinolones*  
K. Singh, B. K. Malviya, V. P. Verma, **S. S. Badsara**, V. K. Bhardwaj, S. Sharma, *Tetrahedron*, **2019**, *75*, 2506.

**22. Engineered C-S bond construction**

C-F. Lee, R. S. Basha, **S. S. Badsara**, *Top. Curr. Chem.*, **2018**, 376, 25. (Springer International Publishing AG, part of Springer Nature 2018).

**21. Open flask, clean and practical protocol for diastereoselective syntheses of oxindole containing phosphinoyl compounds under catalyst-free and solvent-free conditions**

R. Bai, R. Choudhary, P. Singh R. Thakuria, M. C. Sharma, **S. S. Badsara**, *ChemistrySelect*, **2018**, 3, 3221.

**20. Room temperature, open flask C-P bond formation on water under catalyst-free conditions**

R. Choudhary, R. Bai, P. Singh, M. C. Sharma, **S. S. Badsara**, *SynOpen*, **2018**, 2, 213.

**19. Regio- and stereoselective syntheses of allylic thioethers under metal free conditions**

P. Singh, R. Bai, R. Choudhary, M. C. Sharma, **S. S. Badsara**, *RSC Adv.*, **2017**, 7, 30594.

**18. Metal-free, regio- and stereoselective S-methylation/phenylation of allyl halides using sulfoxides as sulfenylating agent**

R. Choudhary, R. Bai, P. Singh, M. C. Sharma, **S. S. Badsara**, *Tetrahedron*, **2017**, 73, 4323.

**17. Peracetic Acid Mediated sp<sup>2</sup> C-H Selenation of Arenes**

P-A. Hsieh, **S. S. Badsara**, C.-H Tsai, D. M. Reddy, C-F. Lee, *Synlett*, **2016**, 27, 1557.

**From University of Hyderabad and National Chung Hsing University**

(‡= Equal Contribution)

**16. CuCl/TBHP catalyzed synthesis of amides from aldehydes and amines in water**

S-Y. Lu, **S. S. Badsara**, Y-C Wu, D. M. Reddy, C.-F Lee, *Tetrahedron Lett*, **2016**, 57, 633.

**15. K<sub>2</sub>S<sub>2</sub>O<sub>8</sub>/I<sub>2</sub> Promoted Syntheses of α-Thio-β-dicarbonyl Compounds via Oxidative C-S Coupling Reactions Under Transition Metal-Free and Solvent-Free Conditions**

Y.-W. Liu ‡, **S. S. Badsara**, ‡ Y.-C. Liu, C.-F. Lee, *RSC Adv.*, **2015**, 5, 44299.

**14. Microwave-assisted copper-catalyzed cross-coupling reaction of thiols with aryl iodides in water**

Y-A. Chen, ‡ **S. S. Badsara**, ‡ W-T. Tsai, C-F. Lee, *Synthesis* **2015**; 47, 181.

**13. Formal synthesis of a disaccharide repeating unit (IdoA–GlcN) of heparin and heparan sulfate**

R. C. Sawant, Y-J Liao, Y-J. Lin, **S. S. Badsara**, S-Y Luo, *RSC Adv.*, **2015**, 5, 19027.

**12. Transition-Metal-Catalyzed C-S Bond Coupling Reaction**

C-F. Lee, Y-C. Liu, **S. S. Badsara**, *Chem. Asian J.* **2014**, *9*, 706 (Focus Review).

**11. Metal-free cross-coupling reaction of aldehydes with disulfides by using DTBP as an oxidant under solvent-free conditions**

J-W. Zeng, Y-C. Liu, P-A. Hsieh, Y-T. Huang, C-L. Yi, **S. S. Badsara**, C-F. Lee, *Green Chem.*, **2014**, *16*, 2644.

**10. Syntheses of selenoesters through C-H selenation of aldehydes with diselenides under metal-free and solvent-free conditions**

J-C. Liou,<sup>‡</sup> **S. S. Badsara**,<sup>‡</sup> Y-T. Huang, C-F. Lee, *RSC Adv.*, **2014**, *4*, 41237.

**9. Metal-free sp<sup>3</sup> C-H functionalization: a novel approach for the syntheses of selenide ethers and thioesters from methyl arenes**

**S. S. Badsara**, Y-C. Liu, P-A. Hsieh, J-W. Zeng, S-Y. Lu, Y-W. Liu, C-F. Lee, *Chem. Commun.*, **2014**, *50*, 11374.

**8. Copper-catalyzed cross-coupling reaction of thiols with aryl iodides under ligand-free conditions**

Y-T. Huang, W-T. Tsai, **S. S. Badsara**, C-C. Chan, C-F. Lee, *J. Chin. Chem. Soc.* **2014**, *61*, 967.

**7. An unusual Wittig reaction with sugar derivatives: exclusive formation of a 4-deoxy analogue of  $\alpha$ -galactosyl ceramide**

R. C. Sawant, Y-H. Lih, S-A. Yang, C-H. Yeh, H-J. Tai, C-L. Huang, H-S. Lin, **S. S. Badsara**, S-Y. Luo, *RSC Adv.*, **2014**, *4*, 26524.

**6. Synthesis of ganglioside Hp-s1**

W-S. Chen, R. C. Sawant, S-A. Yang, Y-J. Liao, J-W. Liao, **S. S. Badsara**, S-Y. Luo, *RSC Adv.*, **2014**, *4*, 47752.

**5. Transition-metal-free syntheses of pyridine-containing thioethers through two-fold C-S bond formation**

**S. S. Badsara**, C. Chan, C-F. Lee, *Asian J. Org. Chem.* **2014**, *3*, 1197.

**4. Ketones as electrophiles in two component Baylis–Hillman reaction: a facile one-pot synthesis of substituted indolizines**

D. Basavaiah, G. Veeraraghavaiah, **S. S. Badsara**, *Org. Biomol. Chem.*, **2014**, *12*, 1551.



**3.** *Baylis-Hillman carbonates in organic synthesis: A convenient one-pot strategy for nitrono-spiro-oxindoles frameworks*

D. Basavaiah, S. S. **Badsara**, G. Veeraraghavaiah, *Tetrahedron* **2013**, 69, 7995.

**2.** *Baylis-Hillman bromides as a source of 1,3-dipoles: sterically directed synthesis of oxindole-fused spirooxirane and spirodihydrofuran frameworks*

D. Basavaiah, S. S. **Badsara**, B. C. Sahu, *Chem Eur. J.* **2013**, 19, 2961.

**1.** *Recent contributions from the Baylis-Hillman reaction to organic chemistry*

D. Basavaiah, B. S. Reddy, S. S. **Badsara**, *Chem. Rev.*, **2010**, 110, 5447.

### Invited Talks

**18.** *"Electro-Organic Synthesis: Green and Sustainable Approach for Forging New Bonds"* at Indo-French Conference "Fostering Catalysis for Societal Benefit (FCSB-2024)", Organized by School of Chemistry, University of Hyderabad, Hyderabad during January 15-17, 2024.

**17.** *"Electrochemical Synthetic Approaches for Carbon -Carbon and Carbon -Chalcogen Bond Formations: Direct Functionalization of Biologically Important Scaffolds"* at International Conference on "Science and Technology for Innovative and Sustainable Development" (STISD-2023), Organized by Department of Chemistry, Mizoram University, Aizawl, Mizoram during June 28-30, 2023.

**16.** *"Electrochemical Synthesis of Thioethers, Selenoethers and Bis(Indolyl)methanes"* at RSC-CFOS-2022, Organized by Department of Chemistry, Indian Institute of Technology Roorkee during December 01-04, 2022.

**15.** *"Electroorganic Synthesis of Thioethers, Selenoethers and Bis(Indolyl)methanes"* at 27<sup>th</sup> ISCB International Conference (ISCBC-2023) Jointly organized by Indian Society of Chemists & Biologists (ISCB) and Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India during November, 16-19, 2022.

**14.** *"Electricity Promoted Synthesis of Thioethers, Selenoethers and Bis(Indolyl)methanes"* at International Conference "Green Technology: Issues and Challenges" during September 22-24, 2022 organized by Centre for International Cooperation, Ch. Charan Singh University, Meerut & Indian Science Congress Association (ISCA) Haridwar Chapter.

**13.** *"Greener and Sustainable Protocols for C/P-Chalcogenides Bond Formations"* at Professor Ram Chand Paul National Symposium on Emerging Chemical Innovations for Swachh, Swasth and

Sarvatra Bharat”, during Feb 27-28, 2020 organized by Department of Chemistry, Panjab University, Chandigarh, India.

**12.** *"Catalyst-Free Synthesis of Thioethers, Phosphinothioates and Phosphoroselenoates"* at 10th conference of Haridwar Chapter of The Indian Science Congress Association on Science and Technology: Rural Development, organized by Department of Chemistry and Department of Physics, Gurukula Kangri Universty, Haridwar, Uttarakhand, India during 15-16th February, 2020.

**11.** *"Sustainable Methods for C-S, C-P and P-Chalcogenides Bond Formations"* at International Conference on Emerging Trends in Chemical Sciences (ETCS-2020) during February 13-15, 2020 organized by Department of Chemistry, Guwahati University, Guwahati, Assam, India.

**10.** *"Metal-Free Carbon-Sulfur and Phosphorus-Chalcogenides Bond Formations"* at 26th ISCB International Conference (ISCBC-2020) Jointly organized with Nirma Institute of Pharmacy International Conference (NIPiCON) during 22nd - 24th January, 2020 at Nirma University, Ahmedabad, India.

**9.** *"Metal-Free C-S and C-P Bond Formations: Recent Developments From Our Laboratory"* at 7<sup>th</sup> Asian Network for Natural & Unnatural Materials (ANNUM VII) International Conference during September, 27-29, 2019 organized by Gujarat University, Ahmedabad, India.

**8.** *"Open flask, catalyst-free synthesis of oxindole containing  $\alpha$ -hydroxy phosphinoyl compounds"* at 25<sup>th</sup> ISCB International Conference (ISCBC-2019) "Trends in Chemical and Biological Sciences: Impact on Health and Environment" during January, 12-14, 2019 at Hotel Golden Tulip, Lucknow, India.

**7.** *"Open Flask, Catalyst-Free Practical Protocols for C-P Bond Formation"* at 9th National Conference of Haridwar Chapter "The Indian Science Congress Association" at G. B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand, India during October, 13-14, 2018.

**6.** *Metal Free Syntheses of Thioethers: Reactivity, Scope and Challenges* " at 24<sup>th</sup> ISCB International Conference (ISCBC-2018) "Frontier Research in Chemistry & Biology Interface" during January 11-13, 2018 at Manipal University Jaipur, India.

**5.** *"Peroxide catalysis in C-S coupling reactions: Reactivity, Scope and Challenges"* at CFOS-2017, Organized by Department of Chemistry, Indian Institute of Technology Roorkee during December 22-24, 2017.

4. *“Solvent switched regio- and stereoselective C-S coupling reactions”* at 8<sup>th</sup> National Conference of “The Indian Science Conference Association” (Haridwar Chapter) hosted by Kumaun University, Nainital during October 14-15, 2017.
3. *“Syntheses of Thioethers Under Metal Free Conditions: Reactivity, Scope and Challenges* at International Conference on Frontiers at the Chemistry and allied Sciences Interface (FCASI 2017) organized by Centre for advanced study, Department of Chemistry, University of Rajasthan during July 22-23, 2017.
2. *“Syntheses of Thio/Seleno Ethers and Esters Under Metal Free Conditions via C-H Functionalization”* at 23<sup>rd</sup> ISCB International Conference “Interface of Chemical Biology in Drug Research “organized by SRM University Chennai and ISCB during February 8-10, 2017.
1. *“Recent Advances in Oxidant Promoted C-H Functionalization”* at 7<sup>th</sup> National Conference of “The Indian Science Conference Association” (Haridwar Chapter) held at Gurukul Kangri Vishwavidyalya, Haridwar during November 20-22, 2016.



April 24, 2024

**(Dr. Satpal Singh Badsara)**