CURRICULUM VITAE

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Dr. Sarangthem Joychandra Singh

HIGHEST EDUCATIONAL QUALIFICATION

- **Ph.D awarded** under the Guidance of **Prof. Okram Mukherjee Singh**, Department of Chemistry, Manipur University

RESEARCH EXPERIENCE

- **UGC-Dr.D.S. Kothari Post-doctoral fellowship** at University of Delhi, New Delhi, India.
- **DST-Fast Track Scheme for Young Scientist** at IIT-Guwahati, Assam, India

RESEARCH INTEREST

- C-H activation, C-H functionalization
- Multicomponent reactions
- Green reactions

ACADEMIC ACTIVITIES

- **Paper examiner** for B.Sc Semester examinations conducted by Manipur University
- **Paper Scrutiniser** for B.Sc Semester examinations conducted by Manipur University

COURSE/PROGRAM COMPLETED

- **Fculty Induction Program,** UGC-HRDC JNU, New Delhi
- **Diploma in computers in office management**

RESEARCH PAPER PUBLICATIONS

[1] "*β*-Ketodithioesters as Versatile Building Blocks for the Diversity Oriented Synthesis of Thioamides, α-Allylated-Thioesters and Ketoamides" Chanu, I. H.; Devi, L. M.; Singh, T. P.; **Singh, S. J**.; Singh, R. R.; Singh, O. M. ***ChemistrySelect*** **2020**, *5*, 7447-7451; Publisher: Wiley-VCH Gmbh, Germany; ISSN/eISSN.: 2365-6549; Impact factor: 2.307;UGC-care list Gr II; Scopus; Web of Science.

[2] "*tert*-Butyl Nitrile mediated different functionalizations of internal alkenes: paths to furoxans and nitroalkenes" Mir, B. A.; **Singh, S. J.**; Kumar, R.; Patel, B. K. ***Adv. Synth. Catal.*** **2018**, 360, 3801-3809; Publisher: Wiley-VCH Gmbh, Germany; ISSN/eISSN: 1615-4150/1615-4169; Impact factor: 5.981; UGC-care list Gr II; Scopus; Web of Science.

[3] "A TBPB Mediated C-3 Cycloalkylation and Formamidation of 4-Arylcoumarin" **Singh, S. J.**; Mir, B. A.; Patel, B. K. ***Eur. J. Org. Chem.*** **2018**, 1026-1033; Publisher: Wiley-VCH Gmbh, Germany; ISSN/eISSN:1434-193X/1099-0690; Impact factor: 3.261; UGC-care list Gr II; Scopus; Web of Science.

[4] "Diacetoxyiodobenzene mediated oxidative dethionation of *N*-substituted 5-arylmethylidenerhodanines: An efficient synthesis of *N*-substituted 5-arylmethylidenethiazolidine-2,4-diones" **Singh, S. J**.; Devi**,** N. S. ***Arkivoc*** **2017**, *iv*, 137-144; Publisher: ARKAT USA Inc; ISSN/eISSN:1551-7004/1551-7012; Impact factor: 1.14; UGC-care list Gr II; Scopus; Web of Science.

[5] "Diacetoxyiodobenzene mdiated oxidative transformation of thione to disulfides" **Singh, S. J**.; Devi**,** N. S. ***Tetrahedron Lett.*** **2016,** *57*, 5941-5943; Publisher: Elsevier, England; ISSN/eISSN: 0040-4039/1873-3581; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[6] "Synthesis of 2-amino-substituted-1,3,4-thiadiazoles *via* 2,3-dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) mediated intramolecular C-S bond formation in thiosemicarbazones" **Singh, S. J**.; Rajamanickam, S.; Gogoi, A.; Patel, B. K. ***Tetrahedron Lett.*** **2016**, *57*, 1044-1047; Publisher: Elsevier, England; ISSN/eISSN: 0040-4039/1873-3581;; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[7] "Synthesis, properties and singlet oxygen generation of thiazolidinone double bond linked porphyrin at meso and *β*-position" Ahmad, S.; Yadav, K. K.; Narang, U.; Bhattacharya, S.; **Singh, S. J**.; Chauhan, S. M. S. ***RSC Adv.*** **2016**, *6*, 36090-36095; Publisher: Royal Society of

Chemistry, England; ISSN/eISSN:2046-2069; Impact factor: 4.036 ; UGC-care list Gr II; Scopus; Web of Science.

[8] "Novel synthesis of tryptamine derived 4-hydroxy-4-arylthiazolidine-2-thiones and 4-arylthiazole-2(3*H*)-thiones by multicomponent reactions" Devi**,** N. S.; **Singh, S. J**.; Mahiya, K.; Singh, O. M.; Choi, H.; Lee, S.-G. ***Bull. Korean Chem. Soc.*** **2016,** *37*, 1472-1477; Publisher: Wiley-VCH Gmbh, Germany; ISSN/eISSN: 0253-2964/1229-5949; Impact factor: 1.241; UGC-care list Gr II; Scopus; Web of Science.

[9] "1-Butyl-3-methyl imidazolium acetate catalyzed synthesis of *N*-substituted-5-arylidene-rhodanines" **Singh, S. J**.; Ahmad, S.; Chauhan, S.M.S ***J. Heterocycl. Chem.*** **2014**, *51*, E129-E139; Publisher: Wiley, USA; ISSN/eISSN: 0022-152X/1943-5193; Impact factor: 2.035; UGC-care list Gr II; Scopus; Web of Science.

[10] "Synthesis of 5,10,15,20-meso-unsubstituted and 5,10,15,20-meso-substituted-21,23-ditellura/diselena core-modified porphyrinogens: Oxidation and detection of mercury(II)" Ahmad, S.; Yadav, K. K.; **Singh, S. J**.; Chauhan, S.M.S. ***RSC Adv***. **2014**, ***4***, 3171-3180; Publisher: Royal Society of Chemistry, England; ISSN/eISSN:2046-2069; Impact factor:4.036 ; UGC-care list Gr II; Scopus; Web of Science.

[11] "Potassium carbonate catalyzed one pot four-component synthesis of rhodanine derivatives" **Singh, S. J**.; Chauhan S.M.S. ***Tetrahedron Lett.*** **2013**, *54*, 2484-2488; Publisher: Elsevier, England; ISSN/eISSN: 0040-4039/1873-3581; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[12] "An efficient transesterification of *β*-oxodithioesters catalyzed by stannous chloride under solvent free conditions" Devi**,** N. S.; **Singh, S. J**.; Singh, O. M. ***Tetrahedron lett.*** **2013**, *54*, 1432-1435; Publisher: Elsevier, England; ISSN/eISSN: 0040-4039/1873-3581; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[13] "Facile route to highly functionalized 2*H*-chromene-2-thiones via ring annulations of *β*-oxodithioesters with phenols catalyzed by $AlCl_3$ under solvent free conditions" Devi, N. S.; **Singh, S. J**.; Devi, L. R.; Singh, O. M. ***Tetrahedron Lett.*** **2013,** *54*, 183-187; Publisher: Elsevier England; ISSN/eISSN: 0040-4039/1873-3581; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[14] "An efficient synthesis of thioumarin catalyzed by triethylamine under solvent free conditions" Devi, N. S.; **Singh, S. J**.; Devi, Singh, O. M. ***Org. Chem.*****: *An Indian Journal*** **2013**, *9*, 301-306; ISSN.: 0974–7516.

[15] "An efficient one-pot multicomponent synthesis of 2,3-dihydro-3-alkyl/aryl-2-thioxoquinazolin-4(1*H*)-ones under solvent-free conditions" Devi**,** N. S.; **Singh, S. J**.; Singh, O. M. ***Synlett*** **2012**, *23*, 2111-2115; Publisher: Georg Thieme Verlag, Germany; ISSN/eISSN: 0936-5214/1437-2096; Impact factor: 2.454; UGC-care list Gr II; Scopus; Web of Science.

[16] "Cupric chloride promoted regioselective *C*-allylation of enaminones" **Singh, S. J**.; Singh, O. M. ***Tetrahedron Lett.*** **2008**, *49*, 3991-3994; Publisher: Elsevier, England; ISSN/eISSN: 0040-4039/1873-3581; Impact factor: 2.032; UGC-care list Gr II; Scopus; Web of Science.

[17] "Synthesis and *in-vitro* evaluation of the antifungal activities of dihydropyrimidinones" Singh, O. M.; **Singh, S. J.**; Devi, M. B.; Devi, L. N.; Singh, N. R.; Lee, S.-G. ***Bioorganic Med. Chem. Lett.*** **2008**, *18*, 6462-6467; Publisher: Elsevier, England; ISSN/eISSN: 0960-894X/1464-3405; Impact factor: 2.94; UGC-care list Gr II; Scopus; Web of Science.

[18] "Reaction of lithioamines with alkyl halides: A convenient direct synthesis of *N*-alkylaminopyridines" Singh, O. M.; **Singh, S. J.**; Kim, S. N.; Lee, S.-G. ***Bull. Korean Chem. Soc.*** **2007**, *28*, 115-117; Publisher: Wiley-VCH Gmbh, Germany; ISSN/eISSN: 0253-2964/1229-5949; Impact factor: 1.241; UGC-care list Gr II; Scopus; Web of Science.

[19] "$SnCl_2$-Catalyzed synthesis of dihydropyrimidinones under solvent-free conditions" Singh, O. M.; Singh, M. L.; **Singh, S. J.** ***Heterocycl. Comm.*** 2007, *13*, 277-282; Publisher: De Gruyter Poland; ISSN/eISSN: 0793-0283/2191-0197; Impact factor: 2.00; UGC-care list Gr II; Scopus; Web of Science.

[20] "Synthesis of amino substituted pyrazoles" Singh, O. M.; Ahmed, M. F.; **Singh, S. J.**; Lee, S.-G. ***J. Chem. Res.*** **2007**, *4*, 229-232; Publisher: Sage Publication Ltd, England; ISSN/eISSN: 1747-5198/2047-6507; Impact factor: 1.097; UGC-care list Gr II; Scopus; Web of Science.

[21] "A facile one-pot synthetic method for 1,2,4-triazoles and 1,3-disubstituted thioureas" Singh, O. M.; **Singh, S. J.** ***J. Chem. Res.*** **2006**, *3*, 483-485; Publisher: Sage Publication Ltd, England; ISSN/eISSN: 1747-5198/2047-6507; Impact factor: 1.097; UGC-care list Gr II; Scopus; Web of Science.

SEMINAR/SYNPOSIUM/CONFERENCE/WORKSHOP PRESENTED

- ***3rd International conference on heterocyclic Chemistry***, Dec. 10-13, 2011, organized by Department of Chemistry, University of Rajasthan, India.

- ***4th Indo-Italian Seminar on Green Chemistry and Natural Products***, 17th November 2010, organized by Department of Chemistry, University of Delhi**,** Delhi, India.
- ***10th CRSI National Symposium in Chemistry***, Feb 1-3, 2008, IISc, Bangalore, India.
- ***2nd Mid Year Symposium of Chemical Research Society of India***, 21st July 2007, IIT Guwahati, India.
- ***Emerging trends in development of drugs and devices***, January, 21-23, 2013, organized by Department of Chemistry, University of Delhi**,** Delhi, India.
- ***National symposium on recent trends in chemical sciences***, March, 22-23, 2013, organized by Department of Chemistry, Manipur University**,** Manipur, India
- ***Indo-German workshop on New perspectives for nano-carriers in biomedical application***, 14th January, 2013, organized by Department of Chemistry, University of Delhi**,** Delhi, India.
- ***FICS'2016***, Dec 8-10, 2016, Department of Chemistry, IIT-Guwahati

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