



SHIVAJI UNIVERSITY, KOLHAPUR

DEPARTMENT OF

Vidyanagar, KOLHAPUR- 416 004 (INDIA)

NAAC 'A' Grade with CGPA 3.16



Dr. Sandeep Ashok Sankpal Phone: +9102312609164 Fax: +91 231 2692333

Mob : +919420933147

Assistant Professor E-mail: sandeeporg1@gmail.com

Birth date: 26/11/1982 **Date of Joining:** 29/01/2011 **Date of Superannuation:** 26/11/1942

Language competency: English, Hindi, Marathi

Academic credentials: *Note: International (Intl.); National (Natl.); Grants in lakhs; Participation (Parti.)

Publications: Intl. (Natl.)	06 (Citation index	45
<i>h</i> -index	01	<i>i</i> -10 index	---
Research Gate Score	3.77	Research Gate total impact point	---
IF range (Total) Average	1-2	Paper with IF > 2 (> 5) > 10	
Research projects as PI (Co-PI)	01	Total project grants	6 lakhs
Patents	ab	Invited talks	02
Research guidance: Ph.D. (Total)	ab	Research guidance: M.Phil/M.S.	ab
Number of books Intl. (Natl.)	ab	Conference organized (Convenor)	ab
Conferences: Intl. Parti. (Attd.)	03	Conferences: Natl. Parti. (Attd.)	10
Training prog. attended Intl.(Natl.)	05	Training prog. Organized Intl.(Natl.)	ab
Instrumental in active MoU Intl.(Natl.)	ab(ab)	Experience- Teaching (Research)	5(8)
Member of Academic body Intl.(Natl.)	ab(ab)	Member of Editor. Board Intl.(Natl.)	ab

Broad research areas: Green Chemistry, Chemosensors, ionic liquids, Medicinal Chemistry, multicomponent reactions.

Specific research areas: Development of greener methodologies in aqueous media by use of organocatalyst like camphor sulphonic acid, L-proline, solvent catalyst etc. Synthesis of ionic liquids supported on magnetic nano particles, design and synthesis of novel organic chemosensors for sensing of substances like toxic metal ions, amino acids, pesticides etc.

Benchmark achievements: Synthesis of tetrahydrobenzo[b]pyran by solvent catalyst, phthalazine dione by DABCO based ionic liquids, synthesis of pyrazole derivatives and its antimicrobial activity, synthesis of novel benzo-18-crown -6 derivatives for recognition of mercury and palladium.

National/International Award/Recognition: (Font Times New Roman 10 pt)

National/International Collaborations/Joint projects: (Font Times New Roman 10 pt)

Productive contribution/output of Natl./Intl. MoU: (Font Times New Roman 10 pt)

National/International Project Grants: (Number of projects and Total Grants) (Font Times New Roman 10 pt)

National/International Industry consultancy/Joint projects/work: (Font Times New Roman 10 pt)

Contribution towards incubation cell/ Entrepreneurship: (Font Times New Roman 10 pt)



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Academic visit to other countries (Academic assignments): (as PDF, visiting researcher, scientist/professor and other than conferences): *List the name and address of university, research area/work explored there, in brief.* (Font Times New Roman 10 pt)

Additional computer skills: *(Exceptionally specific/different from common users knowledge)* (Font Times New Roman 10 pt)

Additional academic skills/activities: *(Positive points/skill academic/non academic/commercial skills which you wish to explore for development in higher education).* (Font Times New Roman 10 pt)

Additional social activities: *(Selective and important activities, 2-3 lines only)* (Font Times New Roman 10 pt)

Administrative experience: *(if any and nature of work/duty/responsibility- Selective and important responsibility at University level- Please avoid mention of Department committees)* (Font Times New Roman 10 pt)

Representative 10 latest publications (encompassing research expertise)

1) Polymer-Supported Sulfonic Acid-Catalyzed Candid Synthesis and Photophysical Properties of 2H-indazolo[2,1-b]phthalazine-triones, Mulik, Abhijeet; Chandam, Dattatraya; Patil, Prasad; Patil, Dayanand; Jagdale, Suryabala; Sankpal, Sandip; Deshmukh, Madhukar, **Journal of Heterocyclic Chemistry** (2015), 52(3), 931-937.

2) Synthesis of Novel Dibenzo-18-crown-6-ether-Functionalized Benzimidazoles and its Applications in Colorimetric Recognition to Hg²⁺ and as Antifungal Agents, Jagdale, S. D.; Sawant, A. D.; Patil, P. P.; Patil, D. R.; Mulik, A. G.; Chandam, D. R.; **Sankpal, S. A.**; Deshmukh, M. B. **Journal of Heterocyclic Chemistry** (2015), 52(2), 468-472. Impact factor: 0.787, Citations: 02

3) Synthesis of some novel quinone diimine derivatives of benzo-15-crown-5 for application in Hg²⁺ recognition, Jagdale, S. D.; Sawant, A. D.; Patil, P. P.; Patil, D. R.; Mulik, A. G.; Chandam, D. R.; Sankpal, S. A.; Deshmukh, M. B., **Luminescence** (2014), 29(6), 586-590.

4) Oxalic acid dihydrate: Proline (LTTM) as a new generation solvent for synthesis of 3,3-diaryloxindole and chromone based bis(indolyl)alkanes: Green, chromatography free protocol, Chandam, Dattatray; Mulik, Abhijeet; Patil, Prasad; Jagdale, Suryabala; Patil, Dayanand; Sankpal, Sandeep; Deshmukh, Madhukar. **Research on Chemical Intermediates** (2015), Ahead of Print.

5) Synthesis of some novel 3,5-diarylpyrazole derivatives of dibenzo-18-crown-6- ether. Jagdale, S. D.; Mulik, A. G.; Chandam, D. R.; Patil, P. P.; Patil, D. R.; **Sankpal, S. A.**; Sawant, A. D.; Deshmukh, M. B.

6) Synthesis and antibacterial evaluations of (3,5-dimethyl-1H-pyrazol-4-yl)-phenyl-diazenes Sankpal, S. A.; Deshmukh, M. B.; Anbhule, P. V.; Salunkhe, D. K.; Alsundkar, K. N.; Patil, P. P.; Chandam, D. R.; Jagdale, S. D.; Mulik, A. G.; Rokade, S. S., **Journal of Chemical and Pharmaceutical Research** (2010), 2(5), 574-579.



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