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## List of Publications

1. Polyaniline anchored palladium catalyst mediated Mizoroki-Heck, Suzuki-Miyaura and one-pot Wittig-Heck, Wittig-Suzuki reactions: H.A. Patel, A.L. Patel\*, A.V. Bedekar\*, *Appl. Organometal. Chem.* **2015**, *29*, 1-6.
2. Polyaniline coated on Celite, a heterogeneous support for palladium: Applications in catalytic Suzuki and one-pot Suzuki-aldol reactions: H.A. Patel, A.L. Patel\*, A.V. Bedekar\*, *New J.Chem.* **2016**, *40*, 8935-8945.
3. Polyaniline supported FeCl<sub>3</sub>: An effective heterogeneous catalyst for Biginelli reaction: H.A. Patel, A.M. Sawant, V.J. Rao, A.L. Patel\*, A.V. Bedekar\*, *Catal Lett.* **2017**, *147*, 2306-2312.
4. Celite-Polyaniline supported palladium catalyst for chemoselective hydrogenation reactions: H.A. Patel, M. Rawat, A.L. Patel\* and A.V. Bedekar\* (Under review)
5. Celite-polyaniline supported palladium as catalyst for one-pot Suzuki-aldol-O-alkylation reaction: H.A. Patel, A.L. Patel\*, A.V. Bedekar\* (Under review)
6. One-pot synthesis of benthiazole-based small conjugated molecules using polyaniline-supported palladium and its photophysical studies: H.A. Patel, V.J. Bhanvadia, H. Mande, S.S. Zade, A.L. Patel\*, A.V. Bedekar\* (Manuscript submitted)
7. Synthesis of benzochalcogendiazole based small conjugated molecules using polyaniline-supported palladium and study its photophysical properties, packing patterns and non-bonding interactions: H.A. Patel, V.J. Bhanvadia, H. Mande, S.S. Zade, A.L. Patel\*, A.V. Bedekar\* (Manuscript under preparation)

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## Conferences

1. **Poster presented** at National conference on advances in synthetic and materials chemistry, University of Mumbai, 10-11 March 2014.
2. **Poster presented** at 10<sup>th</sup> Mid-Year Chemical Research Society Of India( CRSI) Symposium in Chemistry, NIT & Bharathidasan University, Trichy, 23-25 July 2015
3. **Poster presented** at 13th Chemical Research Society of India (CRSI) Symposium in Chemistry, University of North Bengal, 14-16 July 2016.
4. **Awarded best poster** presentation at National Seminar on Structure and Chemistry of Materials, M.S. University of Baroda, 15<sup>th</sup> October 2016.
5. **Poster presented** at National conference on Frontiers in Heterogeneous Catalysis, M.S. University Of Baroda, 10 December 2016.
6. **Poster presented** at National conference on Chemistry of Materials and Biologicals, IIT Gandhinagar, 4-5 January 2018.
7. **Participated at** National Conference on Chirality, M. S.University of Baroda,7-8 Dec 2013.
8. **Participated at** National School on NMR Spectroscopy, M. S. University of Baroda, 18-23 September 2015.
9. **Participated at** National Conference on Chirality, M. S.University of Baroda,18-19 December 2015.
10. **Participated at** National Seminar on Frontier Area in Chemical Sciences, M.S. University of Baroda, 19 March 2016.