

# **Appendices**

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- [1] **Anoop Singh**, Satheeshvarma Vanaparthi, Sachin Choudhary, Rangan Krishnan, and Indresh Kumar; Synthesis of C2-tetrasubstituted indolin-3-ones via Cu-catalyzed oxidative dimerization of 2-aryl indoles and cross-addition with indoles, *RSC Adv.*, **2019**, 9, 24050-24056.
- [2] Sachin Choudhary, **Anoop Singh**, Jyothi Yadav, Nisar A. Mir, Sumati Anthal, Rajni Kant, and Indresh Kumar; A simple route to tetracyclic oxazepine-fused pyrroles via metal-free [3+2] annulation between dibenzo[*b,f*][1,4]oxazepines and aqueous succinaldehyde, *New J. Chem.*, **2019**, 43, 953-962.
- [3] **Anoop Singh**, Nisar A. Mir, Sachin Choudhary, Deepika Singh, Preetika Sharma, Rajni Kant, and Indresh Kumar; One-pot sequential multicomponent reaction between in situ generated aldimines and succinaldehyde: facile synthesis of substituted pyrrole-3-carbaldehydes and applications towards medicinally important fused heterocycles, *RSC Adv.* **2018**, 8, 15448-15458.
- [4] Indresh Kumar, P. Ramaraju, Nisar A. Mir, and **Anoop Singh**; Linear dialdehydes as promising substrates for amino catalyzed transformations, *Org. Biomol. Chem.* **2015**, 13, 1280-1293.
- [5] Preetika Sharma, Panduga Ramaraju, **Anoop Singh**, Indresh Kumar; Sumati Anthal, Rajni Kant, Synthesis and Crystal Structure of 5, 5-diphenyldihydrofuran-2(3H)-one (5), *IOSR Journal of Applied Chemistry (IOSR-JAC)* **2016**, 9, 28-31.

1. “International Conference on Nascent Developments in Chemical Science: Opportunities for Academia-Industry Collaboration,” organized by the Department of Chemistry, Birla Institute of Technology & science Rajasthan, India during **(16-18 October 2015)**.
2. International Conference in drug discovery Research (CCDDR 2015) organized by Department of Chemistry MNIT Jaipur, India **(23-25 Nov 2015)**.
3. “National Conference on Organic Chemistry in Sustainable Development: Recent Advances and Future Challenges” held at BITS Pilani, Pilani Campus during August **(29-30, 2016)**.
4. International Conference on ‘Nano and Functional Materials-Interface between Science & Engineering **(NFM-2017)** jointly organized by Department of Chemistry, Birla Institute of Technology & science, Rajasthan and Materials Research Society of India (MRSI) – Rajasthan **(16-18 Nov 2017)**.
5. **(ISCB-2018)** jointly organized by Department of Chemistry, Manipal University Jaipur, India and Indian Society of Chemists and Biologists, Lucknow, India **(11-13 Jan 2018)**

**Anoop Singh** was born in Badiyargarh, Tehri Garhwal, Uttarakhand in India. He completed his Master's degree (organic chemistry) from H.N.B.G.U. Srinagar Garhwal Uttarakhand in 2010. He was awarded UGC-JRF in chemical sciences by UGC-New Delhi in June 2011 by Govt. of India. He joined the Department of Chemistry, BITS Pilani, in January 2013 for Ph.D. under the guidance of **Dr. Indresh Kumar**. He moves to the UGC-SRF award in March 2015 by UGC-New Delhi. He has already published five research articles in international journals, and few more are under the manuscript preparation stage. He presented his research work in various national/international conferences/symposiums. His research interest lies in the development of the new methodology for the synthesis of nitrogen heterocycles in non-asymmetric/asymmetric fashion as well as their biological activities.

**Dr. Indresh Kumar** is an Associate Professor of Chemistry at the Birla Institute of Technology and Science, Pilani. Dr. Indresh Kumar did his B.Sc. (Chemistry) and M.Sc. (Organic Chemistry) from Ch. Charan Singh University, Meerut (U.P) India. He completed his Ph.D. degree in Organic Chemistry from National Chemical Laboratory (CSIR), Pune with Dr. C. V. Rode (Scientist-F) during 2007-08. He did his Post-doctoral research work with Prof. Yujiro Hayashi at Tokyo University of Sciences, Tokyo. He joined Shri Mata Vaishno Devi University, Katra (J&K), India, as Assistant Professor in Chemistry from 2009 and continued till January 2012.

Dr. Indresh Kumar has received “Professor D.K. Banerjee Memorial Lecture Award-2016” from Department of Organic Chemistry, IISc, Bangalore; ISCB YOUNG SCIENTIST AWARD-2016 IN CHEMICAL SCIENCES by Indian Society of Chemists and Biologists, Lucknow; and "Outstanding Potential for Excellence in Research and Academics (OPERA)" during **2014-15** from BITS Pilani. He has 12 years of research experience and ten years of teaching experience. Dr. Kumar has authored 40 research papers in the peer-reviewed international journals in the area of synthetic organic chemistry. His research work has been widely recognized and highly cited in the scientific community. He has participated in several national and international symposia/conferences and delivered more than 40 invited lectures. He is currently supervising five Ph.D. students. Dr. Kumar has recently authored a book entitled “Dienamine Catalysis for Organic Synthesis” published through RSC-London and also completed a few research projects sponsored by UGC, DST New Delhi, and BITS Pilani. He has also served as a reviewer for several journals. He is a life member of the Indian Society of Chemists and Biologists, Lucknow and Chemical Research Society of India, Bangalore.

His main research interests are asymmetric organocatalysis, development of the new synthetic methodology for nitrogen heterocycles, and their photo-physical activities.

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