Curriculum Vitae for PI/CoPI

Name	**Dr. Ravindra Kumar**
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Date of Birth	23.03.1979
Academic Qualification	Ph.D.
Affiliation	CSIR-Central Drug Research Institute
Fellow of Academies	No
H-index	12
Domain Expertise	**Synthetic Organic chemistry and Medicinal Chemistry**

List of publication since 01-01-2017

Sl No.	Publication details in AMA style	Impact factor
1.	Mishra, AK, Chauhan, A, Kumar, S, Kant, R, **Kumar, R.** Catalyst-Controlled Diastereoselective Synthesis of Bridged [3.3.1] Bis(Indolyl)-Oxanes and Oxepanes via Desymmetrization of Bis(Indolyl)-Cyclohexadienones. *Org. Lett.* 2023; 25(17); 3034–3039. DOI: 10.1021/acs.orglett.3c00834 ***(Corresponding author)***	**6.1**
2.	Rastogi, SK, Singh, R, Kumar, S, Mishra, AK, Ahirwar, MB, Deshmukh, MM, Sinha, AK, **Kumar, R.** One-pot C–C, C–N, and C–S bond construction for synthesis of 3-sulfenylindoles directly from unactivated anilines involving dual palladium catalysis and mechanistic insights from DFT. *Org. Biomol. Chem.* 2023; 21; 838-845. DOI: 10.1039/D2OB01606K ***(Corresponding author)***	**3.9**
3.	Husen, S, Jha, P, Singh, A, **Kumar, R.** Direct Use of Phosphonium Salts for Alkylation of p-Quinols: Formal α-Arylation of Carbonyls via a 5-Membered Betaine-Type Intermediate. *Org. Lett.* 2022; 24(38); 6925–6929. doi.org/10.1021/acs.orglett.2c02638. ***(Corresponding author)***	**6.1**
4.	Patel, RK, Chauhan, A, Jha, P, Kant, R, **Kumar, R.** Catalytic Friedel–Crafts Alkylative Desymmetrization of Cyclohexa-2, 5-dienones: Access to Linear and Bridged Polycyclic Pyrroles and 3-Arylpyrroles. *Org. Lett.* 2022; 24(29); 5422-5427. doi.org/10.1021/acs.orglett.2c02135. ***(Corresponding author)***	**6.1**
5.	Sinha, AK, Eqbal, D, Rastogi, SK, Kumar, S, **Kumar, R.** An overview on Indole aryl sulfide/sulfone (IAS) as anti-HIV non-nucleoside reverse transcriptase inhibitors (NNRTIs). *Asian. J. Org. Chem. 2022;* 11; e202100744 DOI: 10.1002/ajoc.202100744R2. ***(Corresponding author)***	**3.1**
6.	Kumar, S, Rastogi, SK, Singh, A, Ahirwar, MB, Deshmukh, MM, Sinha, AK, **Kumar, R.** Friedel-Crafts-type Reaction of (Het)Arenes with Aldehydes/Ketones under Acid-Free Conditions using Neutral Ionic Liquid: A Convenient Routes to bis(Indolyl)methanes and Beyond *Asian. J. Org. Chem. 2022;* 11; e202100749, https://doi.org/10.1002/ajoc.202100749. ***(Corresponding author)***	**3.1**
7.	Singh, A, **Kumar, R.** Sustainable Passerini-tetrazole three component reaction (PT-3CR): selective synthesis of oxaboroltetrazoles. *Chem. Commun.* 2021; 57; 9708-9711. doi.org/10.1039/D1CC03256A. ***(Corresponding author)***	**6.2**
8.	Jha, P, Husen, S, **Kumar, R.** Redox-neutral functionalization of α-Csp3–H bonds of secondary cyclic amines: a highly atom-economical strategy for N-arylation/formal cross-dehydrogenative couplings. *Green Chemistry* 2021; 23; 2950-2955. DOI: 10.1039/D0GC04258G. ***(Corresponding author)***	**11.0**
9.	Chauhan, A, Patel, RK, Grellier, M, **Kumar, R.** Hydrogen-Bond-Guided Reaction of Cyclohexadienone-aldehydes with Amines: Synthesis of an Aminal Group Containing a Fused Tetracyclic Framework. *Org. Lett.* 2020; 22(15); 6177-6181. doi.org/10.1021/acs.orglett.0c02284. ***(Corresponding author)***	**6.1**

10.	Husen, S, Chauhan, A, **Kumar, R.** Site-selective 1, 3-Double Functionalization of Arenes Using para-Quinol, CN, and CC/CP Three-Component Coupling. *Green Chemistry* 2020; *22*; 1119-1124. https://doi.org/10.1039/C9GC04103F. ***(Corresponding author)***	**11.0**
11.	**Kumar, R,** Hoshimoto, Y, Tamai, E, Ohashi, M, Ogoshi, S. Two-step synthesis of chiral fused tricyclic scaffolds from phenols via desymmetrization on nickel. *Nature Communications* 2017; 8; 32. doi.org/10.1038/s41467-017-00068-8	**17.7**

(Publications as first, last or corresponding authors)

List of projects undertaken since 01-01-2019

Short title of project	Primary objective (in brief)	Type of study (eg RCT/ Prevalence/ Lab based)	Funding agency	Grant amount	Time period
Rational design and syntheses of non-natural, silicon and boron based antibiotics: Sila- and boro-b-lactams and beyond	Strategy development for the synthesis of novel boron containing heterocycles and evaluation of their AMR activities		Core-Research Grant (CRG)-**SERB**	46.93 lakh	March, 2019-June, 2022

List of patent since 01-01-2017

Title of Patent	Date of filing	Name of the institute (collaborative)	Whether patent is commercialized or not, if yes, Give details