

S.No	Title of the Paper	Journal/Conference	Month & Year of Publication	ISSN No	Indexing SCI/ Wos/ Scopus/ UGC/Google scholar
1	Brønsted acid ionic liquid-catalyzed C(sp ²)-H functionalization of indoles via an MCR: synthesis, photophysical properties, and molecular docking studies	New Journal of Chemistry	July 2026	1369-9261	WoS
2	[CMMIM][BF ₄] Ionic Liquid Catalyzed Efficient Synthesis of Henna Based Xanthene Derivatives and Their Photophysical, Theoretical and Molecular Docking Studies	Tetrahedron	October 2025	1464-5416	WoS
3	A Comprehensive Exploration of the Synergistic Relationship between DMSO and Peroxide in Organic Synthesis	Topics in Current Chemistry	November 2024	2364-8961	WoS
4	Synthesis of Dimeric Indoles from Friedel–Crafts Reaction of Indoles with Ketones Catalysed by a Bronsted Acid Ionic Liquid and Their Interactions with BSA and DNA	New Journal of Chemistry	September 2024	1369-9261	WoS
5	Facile synthesis of bis(indol-3-yl)methane derivatives catalyzed by carboxylic acid functionalized ionic liquid at room temperature: Investigation of photophysical properties, DFT calculations and molecular docking with bovine serum albumin	Tetrahedron	March 2024	1464-5416	WoS
6	[BCMIM][Cl] ionic liquid catalyzed diastereoselective synthesis of β-amino ketones via facile, one-pot, multicomponent Mannich reaction under solvent-free condition	Journal of Heterocyclic Chemistry	September 2023	1943-5193	WoS
7	Facile Synthesis of Bis-Coumarins Using [BCMIM][Cl] Zwitter Ionic Liquid and Their Binding with Bovine Serum Albumin	Asian Journal of Organic Chemistry	August 2023	2193-5815	WoS
8	[CMMIM][BF ₄ -] Ionic Liquid-Catalyzed Facile, One-Pot Synthesis of Chromeno[4,3-d]pyrido[1,2-a]pyrimidin-6-ones: Evaluation of Their Photophysical Properties and Theoretical Calculations	ACS omega	October 2022	2470-1343	WoS
9	Enantioselective organocatalytic michael addition reactions catalyzed by proline/prolinol/supported proline based organocatalysts: an overview	ChemistrySelect	January 2022	2365-6549	WoS