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Title:	Construction of Oxygen- and Nitrogen-based Heterocycles from p-Quinone Methides
Authors:	Singh, Gurdeep (/jspui/browse?type=author&value=Singh%2C+Gurdeep) Pandey, Rajat (/jspui/browse?type=author&value=Pandey%2C+Rajat) Pankhade, Yogesh A. (/jspui/browse?type=author&value=Pankhade%2C+Yogesh+A.) Fatma, Shaheen (/jspui/browse?type=author&value=Fatma%2C+Shaheen) Anand, Ramasamy Vijaya (/jspui/browse?type=author&value=Anand%2C+Ramasamy+Vijaya)
Keywords:	p-Quinone Oxygen- and Nitrogen-based Heterocycles
Issue Date:	2021
Publisher:	Wiley
Citation:	The Chemical Record, 21(12), 4150–4173.
Abstract:	In the last few years, there has been an explosive growth in the area of para-quinone methide (p-QM) chemistry. This boom is actually due to the unique reactivity pattern of p-QMs, and also their remarkable synthetic applications. In fact, p-QMs serve as synthons for unsymmetrical diaryl- and triarylmethanes, and also for the construction of diverse range of carbocycles and heterocycles. In the last few years, a wide range of structurally complex heterocyclic frameworks could be accessed through the synthetic transformations of structurally modified stable p-QMs. Therefore, the main focus of this review article is to cover the recent advancements in the transition-metal, Lewis acid and base-catalyzed/mediated synthetic transformations of the stable p-quinone methides (p-QMs) to oxygen- and nitrogen-containing heterocycles.
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