



*Review Article*

# Recent advances in cross-coupling reactions in aqueous medium

Mintu Maan Dutta\*<sup>1</sup>

<sup>1</sup> Arya Vidyapeeth College, Guwahati-781016

\*Corresponding author email: mintu.dutta@avcollege.ac.in

**Abstract:** Transition metal catalyzed cross-coupling reactions, such as Suzuki-Miyaura, Sonogashira and Heck has emerged as important synthetic route for carbon-carbon bond formations. Various products of these reactions have wide applications in medicinal and pharmaceuticals industries. This review comprises of the use of aqueous media as a greener protocol for organic synthesis that have emerged in recent years.

**Keywords:** Suzuki-Miyaura; Sonogashira; Heck; cross-coupling; heterogeneous; aqueous-catalysis