Response to the reviewer’s comments

Reviewer B

**Comments**: Figure 1, [bmim]PF6 has a Nitrogen missing. In my opinion, this manuscript should: be published after language correction by the author(s)

**Reply**: Thanks for your valuable suggestions and comments. Figure 1 is now corrected in the revised version and the entire manuscript checked thoroughly to minimize the errors. All the corrections are shown in blue color in the revised version.

Reviewer D

**Comments**: In this review manuscript, the author gives a detailed overview and description of the recently published procedures and methods for synthesis of various classes of heterocyclic compounds, using of [Bmim]PF6, an ionic liquid, as the reaction medium. The theme of review is using of [Bmim]PF6 and results obtained during synthesis of selected various heterocyclic  
systems. It covers all important systems, taking care of structural diversity and the importance of obtained compounds through their application.

**Reply**: Many thanks for your valuable remarks.

**Comments**: However, manuscript represents a collection of examples and reactions, with a description of important reaction parameters (reaction conditions and yields). With rare exceptions, the author did not provide a critical overview of the application of [Bmim]PF6. Comparison with results obtained with other methods in the synthesis of similar or same compounds under different conditions should be provided.

**Reply**: In the revised manuscript, wherever possible (Scheme 7, 9, 10, 16, 17, 23, 24, 30, 32), efficiency of [bmim]PF6 as reaction medium is compared with the other conventional solvents as well as with other ionic liquids. In many occasions (Scheme 12, 20, 21, 22, 26, 37) catalytic efficiency of the said ionic liquid is also discussed.

**Comments**: Also, it will be very useful if the author could give examples of synthesis that was achieved only after using of [Bmim]PF6 as the reaction medium.

**Reply**: In the revised manuscript Scheme 1, 3, 8, 9, 11, 24, 32, 33, 35, 36 and 38 describe the synthesis of various scaffolds employing [bmim]PF6 as the reaction medium under catalyst free conditions.