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## Certificate

*It is here by certified that the paper ID : IJRASET11244, entitled*

*Synthesis and NMR Characterization of the Cationic Ruthenium Complexes Catalysts for  
Organic Transformation to Control Over C-C and C-O Bond Formation Reactions*

*by*

*Naba Kumar Rana*

*after review is found suitable and has been published in*

*Volume 5, Issue XI, November 2017*

*in*

*International Journal for Research in Applied Science &  
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