

## *Declaration by the Candidate*

*I hereby declare that the work embodied in the thesis entitled "Characterization of priming induced memory T-cell generation in Leishmania infection" submitted by me for the award of degree of Doctor of Philosophy is the compilation of the work carried out between the period of November 2014 to December 2019 under the joint guidance of Prof. Somenath Roy at Vidyasagar University, Midnapore, (W.B), and Dr. Bhaskar Saha (Scientist-"G") at National Centre for Cell Science, Pune, India. Neither the thesis nor any part of it has been submitted for the award of any degree, diploma, or fellowship elsewhere. I further declare that the materials or contributions obtained from other sources or persons have been duly acknowledged in the thesis.*

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*Date: 4/12/2019*