

BIOLOGICAL FIXATION OF NITROGEN BY FREE AND FIXED CELLS

**By
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**Thesis submitted to the Indian Institute of Technology, Delhi
For the Award of the Degree
of
DOCTOR OF PHILOSOPHY**



Biochemical Engineering Research Centre

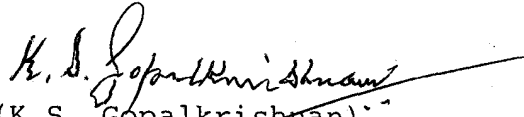
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C E R T I F I C A T E

This is to certify that the thesis titled
"Biological Fixation of Nitrogen by Free and Fixed
Cells" submitted by Krishan Kumar Raina has been
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rules and regulations of the Indian Institute of
Technology, Delhi. The research report and results
presented in the thesis have not been submitted for
any degree in any other University.


(K.S. Gopalkrishnan)


(Subhash Chand)

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