

UNDERTAKING BY THE CANDIDATE

I, **Himanshu Tripathi**, declare that I have pursued my research work under the supervision of **Prof. S. P. Singh** from July 2009 to May 2016. I hereby supplicate my thesis entitled “**Studies on preparation, characterization and *in vitro* bioactivity assessment of bioactive glasses doped with Al₂O₃, CuO and (TiO₂+ZrO₂)**” for the award of Ph.D. degree.

Date:

Place: IIT (BHU), Varanasi

(Himanshu Tripathi)

ANNEXURE-F

**COURSE WORK/COMPREHENSIVE EXAMINATION COMPLETION
CERTIFICATE**

This is to certify that **Mr. Himanshu Tripathi**, a bonafide research scholar (Ceramic Engineering) of this Department, has successfully completed the course work/comprehensive examination requirement, which is a part of his Ph.D. programme.

Date:

Place: IIT (BHU), Varanasi

(Head of the Department)

ANNEXURE-F

PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

This is to certify that **Mr. Himanshu Tripathi**, a bonafide research scholar (Ceramic Engineering) of this Department, has successfully completed the pre-submission seminar requirement on the topic “**Studies on preparation, characterization and *in vitro* bioactivity assessment of bioactive glasses doped with Al₂O₃, CuO and (TiO₂+ZrO₂)**” on dated **03.05.2016**, which is a part of his Ph.D. programme

Date:

Place: IIT (BHU), Varanasi

(Head of the Department)

ANNEXURE-G

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Title of the Thesis : “Studies on preparation, characterization and *in vitro* bioactivity assessment of bioactive glasses doped with Al₂O₃, CuO and (TiO₂+ZrO₂)”

Candidate’s Name : Mr. Himansu Tripathi

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