

**Electrostatically and Electrodynamically Stimulated
Ca and Zr- doped MgSiO₃ [Mg_{1-x}Ca_xSi_{1-x}Zr_xO₃ (x =
0 - 0.4), MCSZO] Bioceramics for Orthopedic
Implant Application**



**Thesis submitted in partial fulfilment for the
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Doctor of Philosophy

by

Priya Singh

**DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI – 221005
INDIA**