

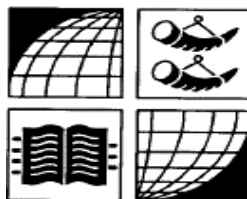


University of Bradford eThesis

This thesis is hosted in [Bradford Scholars](#) – The University of Bradford Open Access repository. Visit the repository for full metadata or to contact the repository team



© University of Bradford. This work is licenced for reuse under a [Creative Commons Licence](#).



**UNIVERSITY OF
BRADFORD**

**Engineering, design
& technology**

UNIVERSITY OF BRADFORD

**KINETIC AND MASS TRANSFER STUDIES OF OZONE
DEGRADATION OF ORGANICS IN LIQUID/GAS-
OZONE AND LIQUID/SOLID-OZONE SYSTEMS**

N. M. M. Grima

Ph.D.

UNIVERSITY OF BRADFORD

**SCHOOL OF ENGINEERING, DESIGN AND
TECHNOLOGY**

2009

KINETIC AND MASS TRANSFER STUDIES OF OZONE DEGRADATION OF ORGANICS IN LIQUID/GAS- OZONE AND LIQUID/SOLID-OZONE SYSTEMS

An investigation on the kinetics and mass transfer of ozone degradation of a range of organics (a reactive-dye, triclocarban, naphthalene and methanol) have been conducted using a conventional gas/liquid reactor and a novel liquid/solid reactor

Naser Mokhtar. M. Grima

Submitted for the
Degree of Doctor of Philosophy

School of Engineering, Design and Technology

UNIVERSITY OF BRADFORD

2009