



# THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	SANITARY AND ENVIROMENTAL ENGINEERING	KYOTO UNIVERSITY(Japan)	1994
Masters of Science (M.Sc.)	SANITARY ENGINEERING	OSAKA SANGYO UNIVERSITY(Japan)	1991
Higher Diploma	STRUCTURE DIPLOMA	KENYA POLYTECHNIC(Kenya)	1982
Diploma	WATER ENGINEERING	KENYA POLYTECHNIC(Kenya)	1977
Certificate	EASCE	ST JOSEPH SECONDARY SCHOOL(Kenya)	1973
Certificate	KPE	KARATINA FULL PRIMARY SCHOOL(Kenya)	1969

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2010 - TO DATE	TECHNICAL UNIVERSITY	ASSOCIATE PROFESSOR
1984 - 2010	JOMO KENYATTA UNIVERSITY	SENIOR LECTURER
1981 - 1983	MINISTRY OF WATER DEVELOPMENT TRAINING SCHOOL	INSTRUCTOR
1974 - 1979	MINISTRY OF WATER DEVELOPMENT	INSPECTOR OF WATER SUPPLY

#### SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
VIEW OF SEWAGE TREATMENT WORKS IN KENYA	INTERNATIONAL SYMPOSIUM NO.8 PG150-157
TREATMENT OF CAFETERIA WASTEWATER BY A NEW DEVELOPED BIOREACTOR	INTERNATIONAL SYMPOSIUM ON ENVIRONMENT AND MANAGEMENT FOR DEVELOPING COUNTRIES VOLUM 3, PG.1-9.
PERFORMANCE EVALUATION OF LABORATORY BATCH REACTOR	WATER POLLUTION RESEARCH AND CONTROL, KYOTO, PG.356-362
EVALUATION OF PESTICIDE REMOVAL FROM WASTE WATER USING ACTICATED SAW DUST CARBON.	PROCEEDINGS OF THE 2ND INTERNATIONAL CIVIL ENGINEERING AND SUSTAINED DEVELOPMENT PG.465-477.
REMOVAL OF HEAVY METAL FROM INDUSTRIAL WASTE USING WASHED QUARY DUST.	PROCEEDINGS OF THE 2ND INTERNATIONAL CIVIL ENGINEERING AND SUSTAINABLE DEVELOPMENT PG. 503-513.
REMOVAL OF ALGAE IN STABILIZATION PONDS EFFLUENT USING MORINGA OEIFERA COAGURANT.	JOURNAL OF CIVIL ENGINEERING RESEARCH AND PRATICE VOL 8.1.PG 53-61
REMOVAL OF COLIFORM AND SOLIDS IN ATROPICAL CONSTRUCTED WETLAND.	INTERNATIONAL JOURNAL FOR DISASTER MANAGEMENT AND RISK REDUCTION. VOL.1 NO,2,PP X-Y ISSN; 1992-2744

#### POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
MR. PHILIP W. MURAGE	PERFORMANCE & PROCESS DESIGN EVALUATION OF WASTE STABILIZATION PONDS TREAT WASTEWATER FOR IRRIGATION	2003
MS. MILL, W. TERESA	WINDOW COMPOSTING FOR MUNICIPAL SOLID WASTE	2004
MR. FREDRICK, K. KIRUI.	PERFORMANCE EVALUATION OF A SUBSURFACE HORIZONTAL FLOW CONSTRUCTED WETLAND IN THE TROPIC	2004
MR. FREDRICK K. KIRUI.	DEVELOPMENT OF WATER QUALITY MONITORING AND MANAGEMENT MODEL FOR LAKE NAIVASHA	2007
MR. JOHN KIBUNEI TARAGON	REMOVAL OF ALGAE IN STABILIZATION POND EFFLUENT USING MNATURAL COAGULANT.	2007
MS BEATRICE, K. DAUDI	EVALUATION OF PESTICIDES REMOVAL AGRICULTURE WASTEWATER USING SAWDUST CARBO.	2990
MR.MUNGATHIA KALIONCI JULIUS.	USE OF WASHED QUARRY IN THE TREATMENT OF INDUSTRIAL EFFLUENT.	2009