

CURRICULUM VITAE

JOSEPH G. WAKIBIA

1 PERSONAL DETAILS

Name : Joseph G. Wakibia
Employment : Senior Lecturer at JKUAT
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Jomo Kenyatta University of Agriculture & Technology
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II EDUCATIONAL QUALIFICATIONS

- 2005: PhD in Plant Ecology, University of the Western Cape, Cape Town, South Africa. Title of thesis: *Linking biology and sustainable livelihoods to the proposed establishment of community-based Eucheumoid farming in Southern Kenya.*
- 1999: MSc in Biodiversity and Conservation Biology, University of the Western Cape, Cape Town, South Africa. Title of thesis: *Growth and agar characteristics of gracilarioid algae grown in suspended cultivation in St. Helena Bay, South Africa.* **The study was awarded a cum laude.**
- 1988: B.Ed. (Science) in Kenyatta University, Nairobi, Major subjects: Education, Botany and Zoology. Awarded a Second Class Honours, Upper Division.

III PROFESSIONAL TRAINING AND/OR SKILLS

Teaching Skills

- Part-time lecturer - taught an International Course in Environmental Science at International Ocean Institute - University of the Western Cape (1997-1999).
- Lecturer - Jomo Kenyatta University of Agriculture and Technology (2007 - present).

Curriculum Development

- Developed an international certificate course in seaweed Mariculture for Community Development- for the International Ocean Institute of South Africa (1998-1999).

Biostatistics and Computer Skills:

Postgraduate statistics course (501) in computer skills, including statistical software (Minitab, SPSS, SAS) - obtained from University of the Western Cape, Cape Town.

Awarded a distinction

Diving Skills:

Open Water Diving Certificate - obtained from the KON-TIKI International Diving School of Sweden.

Project Management Skills:

Project management certificate-obtained from Cape Peninsula Technicon, Cape Town, South Africa.

EIA Skills:

Environmental Impact Assessment (EIA) and Environmental Audit certificate-obtained from IEET of Jomo Kenyatta University of Agriculture and Technology, Kenya (2006).

IV EMPLOYMENT HISTORY/WORK EXPERIENCE

2010 - Present: Senior Lecturer, Jomo Kenyatta University of Agriculture and Technology

- Teaching undergraduate and postgraduate courses: Marine Botany, Phycology, Biostatistics and Experimental Design, Advanced Biostatistics, Research Methodology, etc.
- Secretary, Departmental Postgraduate Studies Committee and member of the School of Biological sciences Postgraduate Studies Committee and member of the College of Physical and Biology Sciences Postgraduate Studies Committee.
- Supervises and examines undergraduate and postgraduate students.
- Conducts research in several funded projects/research grants.

2006 - 2010: Lecturer, Jomo Kenyatta University of Agriculture and Technology

- Teaching undergraduate and postgraduate courses in Ecology, Agroforestry and Biostatistics.
- Developed and managed research projects.
- Examination coordinator - Biotechnology programs.
- Co-ordinator, academic adviser and supervisor for the Biotechnology program.

1999-2005: Kenya Marine and Fisheries Research Scientist

- Co-ordinated and conducted Marine Botanical research in Kenya.
- Developed fundable proposals and managing donor funds.
- Head of Aquaculture Department.

V. POSTGRADUATE SUPERVISION

- Have supervised several MSc students.
- Currently supervising 6 MSc and 3 PhD students.

VI EXAMINATION OF THESES

- Have been an Internal and External examiner of more than 10 M.Sc theses
- Have also externally examined theses from other institutions.

VII RECENT PUBLICATIONS

Wakibia J.G. Anderson RJ, Keats DW (2002) Growth and agar properties of gracilarioid algae grown in suspended open-water cultivation in St. Helena Bay, South Africa. **Journal of Applied Phycology 13: 195-207.**

Waibia JG, Bolton JJ, Keats DW, Raitt LM (2006a). Factors influencing the growth rates of three commercial euclideanoids at coastal sites in Southern Kenya. **Journal of Applied Phycology 18: 565-573**

Wakibia JG, Bolton JJ, Keats DW, Raitt LM (2006b). Seasonal changes in Carrageenan yield and gel properties in three commercial euclideanoids grown in Southern Kenya ***Botanica Marina* 49 : 208 -215.**

Wakibia JG, Bolton JJ, Ochiwo J (2010). Demographic and socio-economic factors for consideration in developing a community-based seaweed mariculture (Euclideanoids and Kappaphycus) in Southern Kenya. **East African Journal of Botany 1: 194-217.**

Wakibia JG, Ochiwo J, Bolton JJ (2011): Economic analysis of Euclideanoid algae farming in Kenya. **Western Indian Ocean Journal of Marine Science 10: 13-24.**

VIII. PROFESSIONAL AFFILIATIONS

- East African Wildlife Society
- Western Indian Ocean Marine Science Association
- Psychological Society of Southern Africa.

IX REFEREES

- 1 Prof. Ester Kahangi: Deputy Vice Chancellor (Research, Production and Extension), Jomo Kenyatta University of Agriculture & Technology,
P.O. Box 62000-00200, NAIROBI
Mobile Phone: +254 (0) 722 286097
- 2 Prof. Steven Njuguna: Professor, School of Environmental Studies,
Kenyatta University,
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- 3 Prof. Derek Keats Executive Director, Information and Communication Services,
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