



CURRICULUM VITAE

Name: Wanjohi John Muraba
Sex: Male
Marital status: Married
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Email Address: jwanjohi@uonbi.ac.ke
Current employer: University of Nairobi
Current position: Lecturer

SPECIALITY: Organic Chemistry (Natural Products Chemistry with bias on *Aloe* and *Bulbine*)

ACADEMIC CERTIFICATES

2006 Doctor of Philosophy, Chemistry, University of Nairobi
1992 Master of Science Environmental Chemistry, University of Nairobi.
1987 Bachelor of Education in Maths and Chemistry (Chemistry major), Kenyatta University
1981 K.A.C.E Njiris High School:, 1981
1979 E.A.C.E, Div. I Kerugoya Boys Secondary School:
1975 C.P.E, Kiabarikiri Primary School:

PUBLICATIONS

Yenesew, A. **Wanjohi, J. M.**, Midiwo, J. O., Heydenreich, M. Peter, M. G., Brun, R., Maksimenka, K., Mutanyatta, J., and Bringmann, G. (2006). Joziknipholones A and B: The first axially chiral dimeric phenylanthraquinones from the roots of *Bulbine frutescens*.

Wanjohi, J. M. (2006). Antiplasmodial anthracene derivatives from some Kenyan *Aloe* and *Bulbine* species. Ph.D. Thesis, University of Nairobi

John M. Wanjohi, Abiy Yenesew, Jacob O. Midiwo, Matthias Heydenreich, Martin G. Peter, Michael Dreyer, Matthias Reichert,^c and Gerhard Bringmann^{c,*} (2005), Three dimeric anthracene derivatives from the fruits of *Bulbine abyssinica*. *Tetrahedron* 61, 2667 – 2674

Wanjohi, J.M., (1992). Copper levels in soils, water and plants collected around coffee farms along Rutui river in Kirinyaga District and Ruiru river in Kiambu District. M.Sc. Thesis, University of Nairobi.

RESEARCH ACTIVITIES

Chemistry of Kenyan *Aloe* and *Bulbine* species
Products of industrial and economic importance obtainable from pyrethrum wax resins
The Nutrient Budget of the Upper Tana Catchment (Masinga dam) – As research assistant for Nicola Pacini's Ph.D.)
Heavy metals in the Environment (water, soils & plants)

RESEARCH VISITS

- August 2005 AFFASA Symposium on Natural Products Chemistry, Karachi, Pakistan
- 1/6/99 – 30/11/99 Guest researcher at the Institut für Organische Chemie, Universität Giessen, Germany
- 18/8/98 – 4/9/98 Napreca 9th Summer School in Dar es Salaam University Tanzania

WORK EXPERIENCE:

- 2003 – Date Lecturer, Department of Chemistry, University of Nairobi
- 1993 -2003 Tutorial Fellow in the Department of Chemistry, University of Nairobi.
- 1991 - 1993 Graduate assistant in the Department of Chemistry, University of Nairobi (January 1991 to August 1993).
- 1987 - 1988 Chemistry and Mathematics teacher at County High School, Garissa, (May 1987 to October 1988.
- 1986 Chemistry and mathematics teacher at Kerugoya Girls' Secondary School, Teaching Practice (June-August) .

OTHER DUTIES

- 2004 – Date Examinations officer, Department of Chemistry
- 1995 _ Date Co-ordinator, CCS 006 - Chemistry and its Applications

Extracurricular Activities

- Theological Education by Extension
- Music: Participating in and training church choirs
- Martial arts: Karate, etc. for keep-fit purposes
- Athletics: Long distance races

COMPUTER EXPERIENCE

Current Applications masterly

Microsoft office Word, excel, etc); Isis Draw, Chemdraw

Past computer experience

BBC personal computer: BASIC Programming, INSTAT (statistical package), Wordwise Plus (word processing package), Spreadsheet for the BBC.; IBM & compatibles- Paradox, Lotus Smartsuite (Wordpro, Lotus 123, Freelance graphics etc.), Paint, Photo editors, Screen Capture and other utilities; DOS applications such as WordPerfect, DBase III plus, Lotus 123, Qpro, WordStar, etc.

Computer packages for Chemistry:- Chemtext (CPSS), IsisDraw (windows), Alchemy, Chemwindows, spectroscopy packages for structure determination (e.g. ACD LABS), PCNMR, etc..

Apple II: Word processing using an Apple II personal computer;

Mainframe computer: Programming in Basic and FORTRAN,