

# CURRICULUM VITAE

## PERSONAL HISTORY

FULL NAME: RAHAB WANJIRU MUNENGE  
NATIONALITY: KENYAN  
MARITAL STATUS: MARRIED

**PRESENT POST:** PRINCIPAL TECHNOLOGIST, DEPARTMENT OF,  
PHARMACOLOGY AND PHARMACOGNOSY  
COLLEGE OF HEALTH SCIENCES, UNIVERSITY  
OF NAIROBI.

**QUALIFICATIONS:** i) Masters in Public Health  
ii) Higher National Diploma in Applied Biology

## PUBLICATIONS:

1. Effect of Extract of Hairs from the Herb -Utrica Massaica, on smooth muscle. C.K. Maitai, S. Talalaj, D.K. Njoroge, and **Rahab W. Wamugunda**. *Toxicon*, Vol. 18, pp 225 -229 - July 1979.
2. A comparative study of the efficacy of seven brands of frusemide tablets. C.K. Maitai, J.O.Ogeto, **Rahab W. Munenge**, S. Ochieng and F.D. Juma . (*East African Medical Journal Vol. 61, No.1*
3. Comparative Study of two Antispasmodic products; Buscopan and NO - Spa. C.K. Maitai, D.K. Njoroge, **Rahab W. Munenge**. (*East African Medical Journal Vol. 62 No. 7 July, 1985*).
4. Quertin - 3 -Neohesperidoside (Rutin) and other flavonoids as the active hypoglycaemic agents of Bridela ferruginea (Addae-Mensah, **Rahab W. Munenge** (*Fitoterapia Vol. LX, No. 4 - 1985*).
5. A comparative examination of two Zanthoxylum benzphenanthridin alkaloids for cardiovascular effects in rabbit. (*Phytotherapy Research, Vol. 3 No. 5, 1989*). Ivan Addae-Mensah, **Rahab W. Munenge** and Anastasia N. Guantai.

6. Pharmacological properties of root and aerial part extracts of Ageratum conyzoides on isolated ileum and heart. A. K. Achola, **Rahab W. Munenge**, A.M. Mwaura (*Fitoterapia Vol. LXV, No. 4 1994*).
7. Potentiation of uterine stimulatory action of Adenia globosa Engl. By Oxytocin in vitro. Kipruto A. Sinei, Julius W. Mwangi, Kohath J. Achola, **Rahab W. Munenge** and Amos M. Mwaura. (*Africa Journal of Health Sciences Vol. 1 No. 4 November, 1994*).
8. Pharmacological activity of Oxalis corniculata.  
K.J. Achola, J.W.Mwangi, and **Rahab W. Munenge**. (*International Journal of Pharmacognosy, 1995, Vol. 33, No. 3 pp. 247 - 249.*)
9. Pharmacological activities of Gardenia Jovis Tonantis. K.J Achola, J.W. Mwangi, and **Rahab W. Munenge**. (*International Journal of Pharmacognosy 1995 Vol. 33, No, 3, pp. 250 -252*).
10. Acitivity of Gardenia Jovis Tonantis on isolated rabbit ileum and rat phrenic nerve diaphragm. K.J. Achola. J.W. Mwangi and **Rahab W. Munenge**. (1993).
11. Biological acitivity of Lantana trifolia. Submitted to International Journal and Pharmacognosy. K.J. Achola, J.W. Mwangi, and **Rahab W. Munenge** (1993).
12. Activity of Ageratum Conyzoides on isolated rat phrenic nerve diaphragm and blood pressure on anaesthetised rats. K.A. Achola, J.W. Mwangi, and **Rahab W. Munenge**. (*International Journal of Pharmacognosy 1994 Vol. 35, No. 1, pp. 31*)
13. The oxytocin action of Adenia globosa Engl. Is synergistic with that of oxytocin, prostaglandin f<sub>2</sub> - alpha and ergometrine. *International Journal of Pharmacognosy*. K.A. Sinei, J.W. Mwangi, K.J. Achola, A.M. Mwaura and **Rahab W. Munenge**.(1994)
14. The contractile action of Adenia globosa Engl. On mammalian smooth muscle. Submitted to *Fitoterapia*. K.A. Sinei, J.W. Mwangi, K.J Achola, A.M. Mwaura and **Rahab W. Munenge**. (1994).
15. Pharmacological acitivities of Synadenium Compactum. Submitted to International Journal of Pharmacognosy. J.W. Mwangi, K.J. Achola, K.A. Sinei, and **Rahab W. Munenge**. (1994).
16. Pharmacological activities of Vernonia glabra. *International Journal of Pharmacognosy*. (1996) Vol. 34, No. 2 pp. 141 - 144). K.J Achola, J.W. Mwangi, A.M. Mwaura and **Rahab W. Munenge**. (1996).
17. Pharmacological activities of lantana Trifolia on isolated Guinea pig trachea and rat Phrenic nerve diaphragm. *International Journal of Pharmacognosy* (1996) Vol. 34 No. pp. 273-276. K.J. Achola, and **Rahab W. Munenge**.

18. Pharmacological studies of **Euphorbia hirta** extract. Submitted to the international Journal of Pharmacognosy. K.J. Achola, A.A. Indalo, **Rahab W. Munenge** and R.S. Malele.
19. Pharmacological activities of Vernonia glabra extract (1997). International Journal of Pharmacognosy. K.J. Achola, A.A. Indalo and **Rahab W. Munenge**.
20. Pharmacological activities of Psiadia punctulata (1997) K.J. Achola, A.A. Indalo and **Rahab W. Munenge**. *International Journal Pharmacognosy. 1997 Vol. 35, No. 1-5*
21. Pharmacological activities of Pistia stratiotes. (1997). K.J. Achola, A.A. Indalo and **Rahab W. Munenge**. *International Journal of Pharmacognosy. Vol. 35, No. 4 pp.1-5*
22. Interaction between Nifedipine and Digoxin in rats. C.K. Maitai. D.K. Njoroge and **Rahab W. Munenge**. *East African Medical Journal Vol. 72 No. 1 Jan. 1995.*
23. Activity of Ageratum Conyzoides extract on isolated rat phrenic nerve diaphragm and blood pressure on anaesthetised rats. K.J. Achola and **Rahab W. Munenge**. *International Journal of Pharmacognosy. 1996. Vol. 35, No. 1 Jan. 1997 pp. 31.*
24. Relaxant activities of Ageratum conyzoides extract on isolated trachea and uterus. *International Journal of Pharmacognosy, 1997 Vol. 35, No. 5 , 1-4.* K.J. Achola, and **Rahab W. Munenge**.
25. Pharmacological activities of Gutenburgia cordifolia (1996) *International Journal of Pharmacognosy* ,Vol. 35, No.1, pp. 60-62. K.J. Achola, J.W. Mwangi, K.A. Sinei, **R.W. Munenge** and A.M. Mwaura.
26. Pharmacological properties of extracts from the stem bark of Syzygium guineese on the ileum and heart of lab. Rodents. *African Journal of Health Sciences Vol. 4. No. 1 Feb. 1997. Pp.43-45.* Rainalds S. Malele, Mainen J. Moshi, Julius W. Mwangi, Kohath J. Achola and **Rahab W. Munenge**.
27. An investigation of an outbreak of acute poisoning by borehole water at Kargi, Marsabit, Kenya. *National Workshop/ farmers open day and the second Scientific conference of Kenya livestock Technologists Association - September 2002.* J. M. Mbaria, **R.W. Munenge**.
28. Development of pyrethrum based anthelmintic preparations for treatment of Helminthiasis in domestic animals in Kenya. Given first award certificate of merit. - *Conference held at KARI, Headquarters, Nairobi from 2<sup>nd</sup>-4<sup>th</sup> December 2003.* Dr. J.M.Mbaria, **R.W. Munenge**, Prof. T.Maitho and Prof. Kanyari.
29. Pharmacokinetics of phenytoin following intravenous and intramuscular administration of Fosphenytoin sodium in the rabbit. *European Journal of Drug metabolism and pharmacokinetics (2002). Vol. 27 No. 2 , pp. 83-89.* S.N. Muchohi, G.O. Kokwaro, T.E.Maitho, **R.W. Munenge**, W.M. Watkins and G. Edwards.

30. J.M. Mbaria, B. B. Thuva, H. F. A. Kaburia, **R. W. Munenge** and J. M. Kamau (2005): In Vitro Antimicrobial Activity of Tetracera boiviniana, an Ethnomedical Herbal Remedy used in Malindi Kenya. Recent progress in medicinal plants volume 11:287-293
31. J.M. Mbaria, **R.W. Munenge**, A. N. Njuguna, J.L.Orre and D.Dabasso (2005). Occurrence of a Severe Acute Livestock Poisoning by Borehole Water in Marsabit District, Kenya: A case study. The Kenya veterinarian 28:16-19
32. C.K. Maitai, D.K. Njoroge, K.O. Abuga, A.M. Mwaura, **R.W. Munenge**. Investigation of Possible Antidotal Effects of Activated Charcoal, Sodium Bicarbonate, Hydrogen Peroxide and Potassium Permanganate in Zinc Phosphide Poisoning.
33. New use of Indomethacin, C.K., Maitai, and **R.W Munenge** , East Cent. Afri. J. Pharm. Sci., Volume 14, Issue 1, p.13-15, (2011)
34. The contractile action of Adenia Globosa Engl. on mammalian smooth muscle, KA, Sinei, Mwangi J. W., **Munenge RM**, and Mwaura AM , The First National Science and Technology and Innovation Week, KICC, Nairobi, (2012) copy at [http://profiles.uonbi.ac.ke/kipruto\\_sinei/publications/contractile-action-adenia-globosa-engl-mammalian-smooth-muscle](http://profiles.uonbi.ac.ke/kipruto_sinei/publications/contractile-action-adenia-globosa-engl-mammalian-smooth-muscle).
35. F.N Kamau, I.O. Kibwage, A.N. Guantai, G. Muriuki and **R. Munenge**. (2003). Anti-Inflammatory and Anti-Diarrhoeal Activities of a Steroidal Indoxyl., (2003) copy at <http://profiles.uonbi.ac.ke/okibwage/publications/fn-kamau-io-kibwage-guantai-g-muriuki-and-r-munenge-2003-anti-inflammatory-and>.
36. Ogeto J. O., Maitai C. K., **Munenge R. W.**, Ochieng S., Juma F. D., - , DR. OGETO, JOHN OBIERO , Eur J Drug Metab Pharmacokinet. 1989 Jan-Mar;14(1):15-7., (1983) copy at <http://profiles.uonbi.ac.ke/johnogeto/publications/ogeto-j-o-maitai-c-k-munenge-r-w-ochieng-s-juma-f-d->
37. F.N. Kamau, I.O. Kibwage, A.N. Guantai, G. Muriuki and **R. Munenge**. Anti-inflammatory and Anti-diarrhoeal Activities of a Steroidal Indoxyl. East Cent. Afr. J. Pharm. Sci. 6(2): 26-29., DR. KAMAU, FRANCO N., and DR. KAMAU FRANCO N. , Paper presented to The 6th Annual Conference of the International society for African Philosophy and Studies (ISAPS) 10-12 March 2000, Nairobi. Kenya., (2003) copy at <http://profiles.uonbi.ac.ke/franckamau/publications/fn-kamau-io-kibwage-guantai-g-muriuki-and-r-munenge-anti-inflammatory-and-A>

