

CURRICULUM VITAE
OF
MICHAEL M. KAGIKO

A. BACKGROUND

AGE: 61 Years
MARITAL STATUS: Married, 3 sons (31,28 &20yrs).
NATIONALITY: Kenyan
PRESENT POSITION: Associate Professor of Veterinary Public Health at the University of Nairobi.

B. EDUCATION:

<u>YEAR</u>	<u>INSTITUTION</u>	<u>PROGRAMME</u>
1986:	University of Nairobi	Ph.D. in Public Health
1975-1977:	University of Nairobi	M.Sc. in Public Health
1971-1975:	University of Nairobi	B. Veterinary Medicine

C EXPERIENCE IN TEACHING

Between 1985 and 1992 I was **head of the public health section** in the department of Public Health, Pharmacology and Toxicology of the University of Nairobi (UoN).

D. COURSES, SEMINARS, WORKSHOPS AND CONFERENCES ATTENDED:

1. 1986: Attended the **2nd World Congress on Food-borne Infections and Intoxications**, West Berlin, Sponsored by University of Nairobi.
2. 1998: Attended the **XIIth International Congress for Tropical Medicine and Malaria**, Amsterdam, the Netherlands.
3. 1990: Attended the **VIIth International Congress on Parasitology**, Paris, August 1990.
4. 1990: Attended the **Second International Symposium on Echinococcosis**, Zurich, Switzerland, August 1990.
10. 1995 Attended the Kenya Industrial Research Development Institute workshop on **Food Fermentation**.

11. 1997 Attended the **Funding for Agricultural Research: Experiences and future perspectives**, Nairobi, March 1997.
12. 1998 Biennial Scientific Conference of the **Faculty of Veterinary Medicine**, University of Nairobi, August 1998.
13. 1999 **Commonwealth Veterinary Association/Kenya Veterinary Association Conference** in Nairobi, April 1999.
14. 1999 Workshop on **Policy and Sustainable strategies for Delivery of Animal Health**, Production and Marketing Services in Kenya in the 21st century, Nakuru, Kenya, June 1999.
15. 1999 Workshop on **Community-based Animal Health Care (DAH)** in Meru, Kenya, April 1999.
16. 2000 Workshop on **food security** in Lake Baringo .
17. 2000 Workshop on **Community based Animal Health Care (DAH)**, Transmara.
18. 2001 Workshop on **Community Based Animal Health Care (DAH)** at Lake Bogoria Hotel.
19. 2001 A course on **Wildlife and Ecosystem Health in Developed and Developing Countries** – Florida, USA.
20. 2001 A course on **Aquatic Animal/Ecotoxicology/Ecosystem Health**, Minnesota, U.S.A.
21. 2001 A course on **Ecosystem Health in East Africa**, Meru National Park , Kenya.
22. 2001 Conference of the **OIE Commission for Africa**, Arusha - Tanzania.
23. 2001 Annual **General Session of International Committee** of the Office International des Epizooties (OIE), Paris, France.
24. 2001 **Tanzania Veterinary Association** Scientific Conference in Arusha - Tanzania.
25. 2002 Workshop on **Harmonization of Veterinary Education in East Africa**, Morogoro - Tanzania.

26. 2002 Workshop on **Policy Harmonization of Livestock Industry in the East African Region**,L.Manyara,Tanzania.
27. 2002 Workshop on **Delivery of Animal Health** at Lake Bogoria, Kenya.
28. 2002 Workshop on **Delivery of Animal Health Care** in Mombasa, Kenya.

F. PAPERS PRESENTED AT SEMINARS, WORKSHOPS AND CONFERENCES

1. 1980 **Microbiological standards for foods and their application to a tropical country – Kenya.** Presented at the Al Fateh University, Tripoli, Libya.
2. 1982 **Environment and Hydatid disease in Northern Kenya.** Presented at University of California, Davis, California, U.S.A.
3. 1985 **The immunological diagnosis of hydatid disease.** Presented at the Annual Scientific Conference of the Kenya Veterinary Association, held at ILRAD, Nairobi.
4. 1986 **Setting of numerical microbiological limits for fresh Meat in Kenya.** Presented at the 2nd World Congress on Food-borne Infections and Intoxications, Berlin, Germany.
5. 1986 **Immunological characterisation of the antigens of hydatid cyst fluid.** Presented at the 9th International Congress of Infections and parasitic Diseases, Munich, Germany.
6. 1987 **New and re-emerging zoonoses: The need to be on constant alert.** Presented at the Annual Conference for Veterinary Officers (Hygiene) at National Agricultural Research Laboratories, Nairobi.
7. 1988 **Cross reaction between antigens of hydatid cyst fluid and other cestodes and their implications in the serological diagnosis of hydatidosis in cattle.** Presented at the XIIIth International Congress for Tropical Medicine and malaria, Amsterdam, the Netherlands.
8. 1990 **A comparison between cattle, sheep and goat liver and lung hydatid cyst fluid for the presence of two hydatid antigens.** Presented at the VIIth International congress on Parasitology, Paris, August 1990.

9. 1995 **Advances in Industrial microbiological fermentation in the Tropics.** Presented at the KIRDI Workshop held at Silver Springs Hotel, Nairobi, Kenya.
10. 1997 **On-Farm Survey for Bovine Fasciolosis in Kenya.** Presented at the Workshop on Funding of Agricultural Research: Experiences and Future Perspectives (KARI) March, 1997.
11. 1997 **Factors that affect the Distribution of Bovine Fasciolosis in Kenya.** Presented at the Workshop on Funding of Agricultural Research: Experiences and Future Perspectives (KARI) March, 1997.
12. 1998 **Challenges to Veterinary Medicine in the next Millennium.** Presented at the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, August 1998.
13. 1998 **An Assessment of the Bacteriological Quality of Drinking water from Boreholes and Domestic Tanks in Kikuyu Division of Kiambu District, Kenya.** Presented at the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, August 1998.
14. 1998 **Water Supply and Quality control in Kenya: The Past, present and future.** Presented at the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, August 1998.
15. 1998 **Prevalence of Escherichia coli toxins and antibiotic resistance of escherichia coli strains isolated from river water.** Presented at the Biennial Scientific Conference of the Faculty of Veterinary Medicine, University of Nairobi, Kenya, August 1998.
16. 1999 **Challenges Facing the Veterinary Profession.** Presented at the Commonwealth Veterinary Association/Kenya Veterinary Association Conference – Kenya Agricultural Research Institute, Nairobi, Kenya - April 1999.
17. 1999 **Professional Veterinary Training for Services Delivery in Liberalised Economy.** Presented at a Workshop on Policy and Sustainable Strategies for Delivery of Animal Health, Production and Marketing services in Kenya in the 21st Century, Nakuru, Kenya, June 1999.

G. PUBLICATIONS IN JOURNALS

1. **Kagiko, M.M.** (1978). Bacteriological limitations for meat and meat products in Kenya. The Kenya Veterinarian, 2:15.
2. **Kagiko, M.M.** (1979). **Hydatidosis**: Its prevalence in two small municipal abattoirs. The Kenya Veterinarian 3:46.
3. Gathuma, J.M; **Kagiko, M.M.** and Nyaga, P.N. (1979). Bacteriological quality of water in Kajiado District of Kenya. E.Afr. J. Med. Res. 5 (1).
4. Gathuma, J.M. and **Kagiko M.M.** (1980). Veterinary science and human health. The Kenya Veterinarian, 4:1.
5. Nyaga, P.N.; **Kagiko, M.M.** and Gathuma, J.M. (1980). Some observations on the hygiene and antimicrobial sensitivity of organisms in traditionally fermented and fresh milk from nomadic herds in Kenya (Abstract). Paper read at the Six International Conference on Global Impacts of Applied Microbiology, Lagos, Nigeria, 31st August – 6th September.
6. Gathuma, J.M. and **Kagiko, M.M.** (1980). Veterinary science and human health. Proceedings of the 9th Council Meeting of Commonwealth Medical Association and 9th Annual Scientific Conference of Kenya Medical Association (15th-29th March, 1980).
7. Nyaga, P.N.; **Kagiko, M.M.** and Gathuma, J.M. (1982). Milk hygiene in nomadic herds in Kenya evaluated by bacterial isolation, in vitro bacterial viability trials in traditionally fermenting milk and drug sensitivity. Bull. Anim. Hlth. Prod. Afri. 30 (1), 19.
8. **Kagiko, M.M.**; Lindqvist, K. and Gathuma, J.M. (1986). An evaluation of the applicability of crossed immunoelectrophoresis in seroepidemiological studies of hydatid disease in livestock. Inter. J. Zoon. 13:230.
9. **Kagiko, M.M.**; Lindqvist K. and Gathuma, J.M. (1986). Immunological characterisation of the antigens of hydatid cyst fluid. Proc. 9th International Congress of Infections and Parasitic Diseases. Abstract No. 1150.
10. **Kagiko, M.M.** (1986) Setting of Numerical microbiological limits for fresh meat in Kenya. Proc. 2nd World Congress of Food-borne Infections and Intoxications. Vol. II, pp. 996 (1986).
11. **Kagiko, M.M.** (1986) Setting of numerical microbiological limits for fresh meat in Kenya. Proc. 2nd World Congress of Food-borne Infections and Intoxications. Abstract pp. 225.

12. **Kagiko, M.M.**; Gathuma, J.M. and Lindquist, K. (1986) Serological diagnosis of hydatid disease by enzyme linked immunosorbent assay (ELISA) using partially purified hydatid cyst fluid antigens. Inter. J. Zoon. **13**:241.
13. **Kagiko, M.M.** and Gathuma, J.M. (1988) Cross reactions between antigens of hydatid cyst fluid and other cestodes and their implications in the serological diagnosis of hydatidosis in cattle. Excerpta medica **810**:366.
14. Njeruh, F.M., **Kagiko, M.M.** and Gathuma, J.M. (1989). Diagnosis of hydatid disease in livestock by use of indirect haemagglutination test and its possible application in the control of hydatid disease in Kenya. Bull. Anim. Hlth. Prod. Afri. (Special issue): **163-165**.
15. Damiano, A.W., **Kagiko, M.M.**, Kayihura, M. and Senerwa, D. (1989). Isolation of Toxigenic Aeromonas Species from Fish from Kenyan Waters. African Conference on Diarrhoeal Diseases, 3rd Proceedings, Nairobi, Kenya (10th-13th April 1989).
16. **Kagiko, M.M.**, Lindqvist, K. and Gathuma, J.M. (1990) A comparison between cattle, sheep and goat liver and lung hydatid cyst fluid for the presence of two hydatid antigens. Bull. soc. Franc. Parasit. **8** (Supplement 2) 964.
17. Macharia, S.M., Mulei, C.M., Gathuma, J.M. and **Kagiko, M.M.** (1994). Serological survey of leptospiral antibodies in cattle, sheep and goats in Nyandarua District of Kenya. Bull. Anim. Hlth. Prod. Afr. **42**:335.
18. Macharia, S.M. Mulei, C.M. , Gathuma, J.M. and **Kagiko, M.M.** (1997) Serological survey of leptospiral antibodies in cattle, on sheep and goats in semi-arid areas of Kenya. Ken. Veterinarian.
19. Ombui, J.N. Schmiege, H. **Kagiko, M.M.** and Arimi, S.M. (1997) *Bacillus cereus* may produce two or more diarrheal enterotoxins. FEMS Microbiology letters **149**:245.
20. **M.M. Kagiko**, C.O. Ogeto, M.N. Kyule, J.J. McDermott, S.M. Macharia and H.F. Kabaria (1997). On Farm Cross-Sectional Survey for Bovine Fasciolosis in Kenya. Bull. Anim. Hlth. Prod. Afr. **45**: 251-7.
21. Khalid, M.A.R. Gathuma, P.B., Kyule, M.N. Njeruh, F.M. Kitala, P.M. and **Kagiko, M.M.** (1998). An Assessment of the Bacteriological Quality of

Drinking water from Boreholes and Domestic Tanks in Kikuyu Division of Kiambu District, Kenya. Kenya Veterinarian; 23:42 - 43

22. Gathura, P.B. Kyule M.N. **Kagiko, M.M.**, Ogara O.W. Njeruh, F.M. and Kitala, P.M. (1998). Water Supply and Quality control in Kenya; The Past, Present and Future. Ken. Vet. 23: 47 – 49.
23. **Kagiko, M.M.** (1998). Challenges to Veterinary Medicine in the next Millennium. Ken. Vet. 23: 50 - 51
24. K.W. Simiyu, P.B. Gathuma, M.N. Kyule, L.W. Kanja, J.N. Ombui, and **M.M. Kagiko** (1998). Prevalence of Escherichia coli toxins and antibiotics resistance of Escherichia coli strains isolated from river water. Ken. Vet. 23: 205 – 207.
25. **Kagiko, M.M. W.A. Damiano and M.M. Kayihura (2001). Characterization of Vibrio Parahaemolyticus isolated from fish in Kenya, E. Afr. Med. J. 78: 43 – 46.**

H. **PUBLICATIONS IN GENERAL READERS' MAGAZINES**

- a) Kagiko, M.M. Zoonotic diseases: An Occupation Hazard. Kenya Farmer, Feb. 1981, pp. 12.
- b) Kagiko, M.M. Anthrax, Kenya Farmer, March 1981 pp. 14.
- c) Kagiko, M.M. Brucellosis, Kenya Farmer, April 1981, pp. 35.
- d) Kagiko, M.M. Tuberculosis, Kenya Farmer, May 1981, pp. 35
- e) Kagiko, M.M. Rabies. Kenya Farmer.
- f) Kagiko, M.M. Hydatid Disease and cysticercosis, Kenya Farmer, September 1981, pp. 57.
- g) Kagiko, M.M. Human Taeniasis and cysticercosis, Kenya Farmer, December 1981, pp. 41.
- h) Kagiko , M.M. Plaque. Kenya Farmer, March, 1981 pp. 21.
- i) Kagiko, M.M. Waging Biological Warfare Against Pests, Kenya Farmer, April 1982, pp.21.
- j) Kagiko, M.M. Biological Weapons – using natural enemies. Kenya Farmer, May 1982 pp. 35.

L. CONSULTANCIES

1985 By African Medical and Research Foundation (AMREF) to assess a test in pilot project for the control of hydatid disease in livestock in Turkana District, Kenya.

2003 By CLIP

2000-2001 - Emergency Pastoralists Assistance Group (EPAG)

- Intermediate Technology Development Group (ITDG)

M. CURRENT RESEARCH

- Prevalence, Economics and Control of Bovine Fascioliasis in Kenya. World Bank/ KARI/ARF grant.

PLANNED - Cause of calf mortality among Masai pastoralists in Kilosa District, Tanzania.

N. NON-ACADEMIC ACTIVITIES

Member of

- 1) Kenya Veterinary Association
- 2) Vet. Lab . Sports Club
- 3) Several Welfare Associations
- 4) Vice-Chairman of Community-based Livestock Initiatives Programme (registered International NGO)

Formerly:

- 1) **Secretary** to Kenya Veterinary Association
- 2) **Member** of Board of Governors, Gathiga Secondary School and also later
- 3) **Chairman** of the Board of Governors of the same school
- 4) **Member** of The Kenya Veterinary Board
- 5) Founding **Editor**, the Kenya Veterinarian journal in 1977
- 6) Special **correspondent**, The Kenya Farmer, a magazine
- 7) Special **correspondent**, The Farmers Gazette, a magazine
- 8) **Dean**, Faculty of Veterinary Medicine.

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