



CURRICULUM VITAE

Full Name	Patrick Irungu Dishon Kinyua
Date of birth	20th September, 1952
Nationality	Kenyan
Marital status	Married
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ACADEMIC DETAILS

1998:

Attained PhD in Resource Economics at the University of British Columbia, Canada:

1997-1998

Finalized writing my dissertation entitled "Game Ranching in Machakos District, Kenya: An Application of Mathematical Programming to the Study of Wildlife Policy". Defence of my dissertation was on 14th July, 1998, followed by graduation in November of the same year

1995-1996

Carried out my PhD research on livestock and wildlife herbivore dynamics in Machakos District alongside teaching at the department of range management, University of Nairobi.

1991-1994

Successfully completed course work for my Ph.D. programme. Specific graduate level courses taken included impact analysis, advanced production analysis, microeconomics, probability and statistics, econometric methods, and land and forest resource economics. Eventually, sat and passed the comprehensive examination, thereby attaining PhD. candidacy status.

1991

Admitted to the University of British Columbia (Canada) to study a Ph.D. programme, majoring in Resource Economics. Funding for the programme was provided by CIDA through a "University of Nairobi/University of British Columbia" linkage.

1988

Attained M.Sc. in Range Economics at the University of Wyoming, U.S.A.

1986

Sponsored to the University of Wyoming, through University of Nairobi Staff Development Programme Scholarship, to study a master's degree course in Range Economics. Successfully completed my M.Sc. programme with a cumulative general points average (G.P.A.) of 3.60 in a scale of 4.0 maximum Masters degree thesis was entitled "Developing Models for Early Weaning of Beef Calves in Kenya".

1985

Attained B.Sc. degree in Range Management at the University of Nairobi, Kenya.

1981-1985

Studied Bachelor's degree course in Range Management at the University of Nairobi through a Kenyan Government Scholarship. Held top position throughout the course of study and finally qualified for the award of B.Sc. degree, Second Class Honours (Upper Division)

1973

Attained a Diploma in Agriculture at Egerton College.

1971-1973

Studied Agriculture at Egerton College. Held top position throughout the course of study and finally qualified for the award of diploma in Agriculture with Distinction

PUBLICATIONS

Muthiani, E N 13, J T Njoka1, **P I D Kinyua**1 and G K Gitau2 2012 *Conservation or Degradation: Application of remote sensing and GIS to determine effects of Community Wildlife Sanctuaries on land cover in pastoral areas.*

Muthiani, E.N , J T Njoka **P I D Kinyua** and G K Gitau 2011 *Partnership challenges of Community Wildlife Sanctuaries in Laikipia County, Kenya* Paper presented at the End of KASAL Program Conference held at KARI Hq on 9th -12 August 2011, Nairobi, Kenya

Nyariki, D. M., P.I.D. Kinyua and V. O. Wasonga, 2007. A comparative study of commercial consumptive and non-consumptive utilization options for wildlife conservation strategies in Kenya. IFAW. ISBN 9966-7229-1-2.

Njoka, T.J. and **P.I.D. Kinyua**, 2006. The logistic model-generated carrying capacities, maximum sustained offtake rates and optimal stocking rates for Kenya's commercial ranches. *African Journal of Range & Forage Science* 2006, 23(2): 99-106.

Kinyua P.I.D. and J.T. Njoka, 2001. Animal Exchange Ratios: An Alternative Point of View. *African Journal of Ecology* vol 39, 59-64.

Kinyua P.I.D., G.C. Van Kooten and E.H. Bulte, 1998. African Wildlife Policy: Protecting Wildlife Herbivores on Private Game Ranches, *European Review of Agricultural Economics* 27 (2):227-244.

van Kooten, G.C., E.H. Bulte and **Patrick Kinyua**, 1997. Game Cropping and Wildlife Conservation in Kenya: A Dynamic Simulation Model with Adaptive Control, *Agricultural Systems* 54 (August): 439-462.

Kinyua P.I.D., 1998. *Game Ranching in Machakos District: An Application of Mathematical Programming to the Study of Wildlife Policy*. Ph.D. dissertation, University of British Columbia.

Kinyua, P.I.D., 1988. *Developing Models for Early Weaning of Beef Calves in Kenya*. M.sc. Thesis, University of Wyoming.

G.Cornelis Van Kooten, Erwin H. Bulte and **Parick Kinyua** 1996 *Game cropping and wildlife conservation in Kenya: A dynamic simulation model with adaptive control*

Kinyua, P.I.D., 1980. *Agroforestry in Arid and Semi-arid Areas: Agroforestry Development in Kenya*. Proc.: Second Kenya National Seminar on Agroforestry, Nairobi.

Reaves, T.G, **P.I.D. Kinyua**, G.M. Muchiri and D.W. Kabiru, 1978. *Research and Extension Results, Margarini Settlement Scheme Agronomy Programme - Long Rains 1978*. Margarine Project Report.

Reaves, T.G, **P.I.D. Kinyua**, G.M. Muchiri and D.W. Kabiru, 1978. *Research and Extension Results, Margarini Settlement Scheme Agronomy Programme - Short Rains 1978*. Margarine Project Report.

Reaves, T.G, **P.I.D. Kinyua**, G.M. Muchiri and D.W. Kabiru, 1979. *Research and Extension Results, Margarini Settlement Scheme Agronomy Programme - Long Rains 1979*. Margarine Project Report.

PROFESSIONAL EXPERIENCE

2007 to date:

Organized and carried out instructions and teaching of “economics of livestock production on rangelands” and “range resource economics and policy” courses to the undergraduate students.

Taught “Project planning and implementation” and “range resource economics courses to the M.sc. students.

Taught “applied economic theory” to PhD students. Continued as the departmental representative of “field attachment” dean’s committee.

Also continued to undertake other assignments and duties as directed by the chairman of Department of LARMAT.

2006

Carried out research and consultancy for “International Fund for Animal Welfare” (IFAW) dealing with comparison of Commercial consumptive utilization of wildlife with non-consumptive utilization, focusing on options/approaches for wildlife conservation strategies in Kenya. The research area was Narok, Kanjiado, Machakos and Laikipia.

2002

Carried out research on livestock dynamics, on determination of the maximum sustained yield and on the associated carrying capacities in Machakos District.

2001

Carried out research and consultancy on “the food basket” among the urban poor, focusing on Korogocho, sponsored by Action Aid, Kenya.

1998-1999

Resumed teaching, after successfully completing my Ph.D. programme. Taught “economics of livestock production on rangelands” course to the undergraduate students and “resource economics” course to the M.sc. students. Continued to take charge of the departmental “ranch attachment” course. And Continued to undertake other assignments and duties as directed by the chairman of Department of range management.

1990-199

Continued to organize and carry out instructions and teaching of “ranch practice” course and “economics of livestock production on rangelands” courses to the undergraduate students and “resource economics course” to the M.sc. students. Also continued To undertake other assignments and duties as directed by the chairman of Department of range management. Prepared commercial enterprise budgets for Kibwezi field station and undertook other assignments and duties as directed by the chairman of Department of range management, including recording of proceedings of departmental staff meetings.

1990

Appointed Lecturer on promotion within the department of range management.

1988

Appointed Assistant Lecturer on promotion with the department of range management following successful completion and award of M.Sc. degree in range economics.

1985-1988

Appointed Graduate Assistant with the Department of Range Management, University of Nairobi. Carried out duties as directed by the Chairman of the department of range management that included recording of proceedings of departmental staff meetings, selection of ranches to host students during ranch practice course, and grading of ranch practice reports among others.

1980

Promoted, through Public Service Commission, to Settlement Officer doubling up both as technical and administrative officer, and attached to planning section of Settlement Departmental Headquarters, Nairobi. Duties assigned were planning of settlement schemes country-wide, spot checking of reply queries arising from title mapping of settlement schemes as a prerequisite to preparation of title-deeds and arbitrating boundary disputes.

1977-1980

Attached to Magarini Australian aided settlement project (Kilifi District) as Kenyan counter-part to Australian agronomist. Involved in designing, laying out, planting and supervising of experimental plots in five locations at Magarini Project in collaboration with Australian agronomist counter-part. Crops under study were maize, cotton, sesame, green-grams pigeon peas and varieties of pasture legumes. Aspects looked into were varietal evaluation for suitability in the project area, effects of pest control on the production, and optimum cultural practices. Results from the experiments were not only circulated in coast Province (see publication) but also used in determining the crops and crop husbandry practices recommended to the first settlers in the project. Organized and carried out, in collaboration with the local chiefs, a total of ten field days in Magarini Project. The purpose of the field days was to create awareness of new agricultural technique to a community hitherto practicing shifting agriculture. The field days were based on the philosophy of "seeing is believing" and were very successful with a total attendance of 55% out of a total household population of approximately 2000. Served as secretary to Magarini project land tenure committee formed by the District Commissioner, Kilifi District. Duties of the committee were to record claims of property owned by squatters in the project area for compensation in a bid to facilitate smooth settlement. Two thousand, two hundred and twenty seven squatters were visited and claims approximating seven hundred and fifty thousand Kenya shillings were recorded and paid.

Participated in a sociological survey in Magarine Project conducted by the University of Nairobi.

Involved in planning and designing of an experimental station in Magarini Project. Supervised hand and mechanical clearing of the experimental station site - an area of sixty hectares.

Planned and implemented an agricultural extension programmed in Magarini project. Responsible for day to day supervision of six Technical Assistants. Took part in the feasibility

study of Magarini project in collaboration with G.P. McGowan and Associates Pty. Ltd. Agricultural Consultants.

1976

Attached to Nyeri Settlement complex (composed of eight settlement schemes) Planned and implemented agricultural extension programme for the complex, supervised twenty six Technical Assistants attached to the complex and prepared farm plans and budgets for farmers in the complex. Served as member of Kieni East and Kieni West (Nyeri District) Divisional Agricultural Sub-Committees. Participated in all meetings and deliberations of the sub-committees. Focus of these meetings was to formulate divisional policies for developing agriculture. Served as representative of the Department of Settlement to Integrated Agricultural Development Plan (I.A.D.P.) meetings in Nyeri District. These meetings focused on an integrated approach to agricultural extension aimed at seeking holistic solutions to farm problems. Served as member of Nyeri District Crop Inspection Committee. Duties of this Committee were to inspect wheat crop grown by farmers, using guaranteed minimum returns (G.M.R.) credit from Agricultural Finance Corporation (A.F.C.), for verification of crop failure. Prepared and taught a course on basic crop husbandry organized for farmers from Nyeri Settlement Complex, for one week at Wambugu Farmers' Training centre.

1974-1975

Appointed Assistant Agricultural Officer with the Ministry of Lands and Settlement and Posted to Thika to take charge of agricultural extension in thirteen settlement schemes in Kiambu, Muranga and Machakos districts. Duties included planning and executing agricultural extension programmes for these schemes, preparing farm plans and budgets for settlers as a pre-requisite to disbursement of their development loans, and supervising twenty Technical Assistants attached to these schemes. Attached to the Department of Settlement Headquarters in Nairobi and assigned planning duties of settlement schemes country-wide. Also represented the Department of Settlement in planning and organizing the Lands and Settlement ministerial stand during 1974, Nairobi International show.

Student Supervision

2008/2009

Supervised Kirigia, A.K. in preparation of his M.Sc. thesis, entitled: The Ecological Impacts of Commercial Export of Livestock Manure from Likipia Rangelands to Central Kenya's Cultivated Land: a case Study of Mkogondo Division, Laikipia District, Kenya.

2006/2007

Supervised Ikunga, H.R. in preparation of his M.Sc. thesis, entitled: Evaluation of Environmental and Social Economic Impacts of Community Water Projects: a Case Study of Kisayani Water Project, Kibwezi, Kenya.

2002/2003

Supervised Kathiwa, J. during his M.Sc. thesis preparation, entitled: Social Economics and Ecological Impacts of Ecotourism as an Alternative Land use for Group Ranches: a Comparative Study of Ilgawesi and Makurian Group Ranches, Laikipia District, Kenya.

2004/2005

Supervised Amwata, D.A. during her M.Sc thesis preparation entitled: Effects of Land Tenure System on Land Use and Food Security in Kajiado District, Kenya.

2001/2001

Supervised Orre, S. during his M.Sc. thesis preparation entitled: Marketing of sheep and goat and its Role in Household Food Security among the Pastoral Communities in Marsabit District Kenya.

2000/2001

Supervised Mugarura, S. during his M.Sc. thesis preparation entitled: Pastoral Livestock Marketing: Structure, Performance and Constraints among the Bahima of Luwero, Uganda.

Training courses and seminars**2009**

Attended the 19th annual conference of Eastern African Environmental Network (EAEN) on Energy Gender and Environment, held in Nairobi, Kenya, and presented a paper entitled: Logistic Model With Rainfall Generated Carrying for Wild Herbivores. Paper to be published in the proceedings.

1988

Attended the second national seminar on agroforestry held in Nairobi and presented a paper entitled "Agroforestry in Arid and Semi-Arid Areas".

1987

Attended the society for range management congress held at Boise, Idaho.

1980

Attended a cow pea production training course at international institute of tropical agriculture (I.I.T.A.) (Ibadan, Nigeria) (see the attached certificate). Aim of the course was to expose participants to the techniques of experimental designs and layout and husbandry practices pertaining to cowpeas.

1979

Underwent a 26 days hardship training course at Outward Bound Mountain school (loitoktok), based on the maxim " to serve, to strive and not to yield" (see the attached certificate).

Attended a three days seminar organized by coast province research station. Aim of the seminar was to disseminate research findings from Mtwapa Research station to participants and consequently to farmers in Coast Province.

Attended a one weeks seminar organized for all senior staff in the department of settlement. Aim of the seminar was to review both technical and administrative issues pertaining to the department of settlement.

1974

Attended a two weeks seminar organized for all the senior technical staff from the department of settlement. Aim of the seminar was to review the strength and weaknesses of agricultural extension in settlement schemes.

REFEREES

1. Dr. J.T. Njoka, Senior Lecturer
Department of Range Management
P.O.Box 29053
Nairobi.
2. Dr. R. Kinuthia Ngugi
Department of Range Management
P.O.Box 29053
Nairobi.
3. Dr. J.C. Ng'ethe
P.O.Box 524
Uthiru.