



### ***PERSONAL PROFILE***

**NAME****NOAH WAMBULWA WAWIRE, Ph.D****CONTACT:**

AGRICULTURAL MECHANIZATION RESEARCH INSTITUTE (AMRI)  
P.O. BOX 340-90100  
MACHAKOS- KENYA  
Cell Phone: 0722-623661/0734-086190  
E-mail: [noah.wawire@gmail.com](mailto:noah.wawire@gmail.com) or [noah.wawire@kalro.org](mailto:noah.wawire@kalro.org) or director.amri@kalro.org

**CURRENT POSITION:**

AG. DIRECTOR  
Agricultural Mechanization Research Institute-Katumani-Kenya

**NATIONALITY:**

Kenyan

**BIRTH DATE:**

1957

**MARITAL STATUS:**

Married

**SEX**

Male

**QUALIFICATION:**

**1999- 2005:** Ph.D in Environmental Studies (Economics), Moi University, Kenya.  
**1994-1996:** MSc. in Agricultural Economics, Kansas State University (USA)  
**1992-1992:** Diploma in Crop Management Research, Egerton University, Kenya  
**1978-1981:** B.A. (Hons) in Economics and Geography, University of Nairobi, Kenya

**WORK EXPERIENCE****November 2015 to Date**

AG. DIRECTOR  
Agricultural Mechanization Research Institute-Katumani  
Under the Kenya Agricultural and Livestock Research Organization

**Participated in:**

- Baseline Survey in Agricultural Mechanization in Kenya, 2016
- Baseline Survey on Mechanization in Rice and Bananas in Kenya-2017
- Agricultural Mechanization indices, Productivity and Profitability in Maize and Sorghum in Kenya-2018-19
- Market Demand agricultural Mechanization Solutions for Women farmers and youth Entrepreneurs -2019

**2009- To Nov 2015:**

- Assistant Director/Head Economics and Biometrics Department
- Acting KESREF Director- February –August 2010
- Acting KESREF Director- July 2013 – March 2014
- Principal Research Scientist (Economics) undertaking Socioeconomics studies related to Socio/Production and Policy Studies, Production Technology and Environmental impact Assessments and Audits.

**Institutions: KESREF and Various**

- Assisting in the management/implementation of the KESREF/EU sponsored project.
- Part time Lecturer/external Examiner – Various Institutions

**2001- To 2009:** Senior Research Scientist (Economics) undertaking study programs related to Socio/Production and Policy Studies, Production Technology and Environmental impact assessments and Audits. –  
**Institutions: KESREF and Various**

**1997-2001:** Agricultural Research Officer I/Senior Research Officer attached to Socio Economics programs on



### ***CURRICULUM VITAE***

**NAME:** ***Noah Wambulwa Wawire, Ph.D***

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P.O. BOX 340-90100  
MACHAKOS- KENYA  
Cell Phone: 0722-623661/0734-086190  
E-mail: [noah.wawire@gmail.com](mailto:noah.wawire@gmail.com) or [noah.wawire@kalro.org](mailto:noah.wawire@kalro.org) or

[director.amri@kalro.org](mailto:director.amri@kalro.org)

**NATIONALITY:** Kenyan  
**BIRTH DATE:** 1957  
**SEX:** Male  
**MARITAL STATUS:** Married  
**BIRTH PLACE:** Kakamega  
**IDENTITY CARD NO:** 4828928  
**PASSPORT NO:** A1762921

### ***EXPERTISE***

- Over 30 years experience in agricultural research (Socio/Environmental Economics/Policy) Kenya.
- Over ten year in senior management; Head of dept and;
- Acting Director for KESREF
- Excellent knowledge of statistics Packages, Word processing and computing techniques:- Including: SPSS, SAS, Pc. Give, etc.
- Proficient in various fields
  - Production Economics
  - Socio-Economics
  - Policy Analysis
  - Environmental economics studies
    - Environmental economic analysis
    - Environmental Impact assessments
    - Environmental audits
  - Technology assessments
  - Constraint Analysis
  - Enterprise and farm profitability analysis
  - Monitoring and Evaluation
- Consultancy in the fields listed above.
- Teaching, Thesis supervision and examination during the last five years

### **EDUCATION**

**2005:** Ph.D in Environmental Studies (Economics), Moi University (Kenya)  
**1996:** MSc. in Agricultural Economics, Kansas State University (U.S.A.)  
**1992:** Diploma in Crop Management Research, Egerton University (Kenya)  
**1981:** B.A (Hons) in Economics and Geography, University of Nairobi (Kenya).

### **PROFESSIONAL COURSES**

No	Type	Organizer/Sponsor	Year/Duration
1	Strategic Management Development Program	Kenya School of Govt.	2015/Six weeks
2	Senior Management Course	Kenya School of Govt.	2014/Four weeks
3	Editorial and Scientific report writing	Govt/KESREF	2012/One week
4	Corporate Governance Course for Directors	Centre for Corp. Governance/KESREF	2010/One week
5	Scientific proposal and research writing	Topridas/KESRE	2006/One week
6	Planning, Monitoring, evaluation and Impact assessment of R&D Investment in Agriculture	ILRI/Haremaya-University, Ethiopia	2006/Two weeks
7	Environmental Impact Assessment	Moi University, Eldoret, Kenya	2000/Three Weeks
8	SPSS computer course	CIMMYT/ Addis, Ababa, Ethiopia	1998/Two weeks
9	Effective evaluation of programmes	IPE/USAID, San Francisco, USA	1995/One week
10	Analysis of survey/Exp. Data	CIMMYT/KARI, Egerton-Kenya	1992/One week
11	Crop Management Research	CIMMYT/KARI, Egerton-Kenya	1992/Six months
12	On farm research	CIMMYT, Limuru- Kenya	1985/Two weeks
13	On-Farm research' training	CIMMYT/Min of Agr.(K)	1984-87/various
14	Agric. Economists In-service	ICRISAT, Hyderabad-India	1985/Three months

### **WORK EXPERIENCE**

**November 2015 to Date**

AG. DIRECTOR

Agricultural Mechanization Research Institute-Katumani

Under the Kenya Agricultural and Livestock Research Organization

**Projects:**

- Baseline Survey in Agricultural Mechanization in Kenya, 2016
- Baseline Survey on Mechanization in Rice and Bananas in Kenya-2017
- Agricultural Mechanization indices, Productivity and Profitability in Maize and Sorghum in Kenya-2018-19
- Market Demand agricultural Mechanization Solutions for Women farmers and youth Entrepreneurs -2019

**2009 to-November 2015**

**Employer:** Kenya Sugar Research Foundation

**Centre:** Kibos HQs.

**Designation:** Acting KESREF Director- February–August 2010; July 2013 to March 2014  
 Assistant Director and Principal Research Scientist (Economics)

**Duties:**

- Performing CEO- duties for KESREF in acting Capacity
- Head of the Economics and Biometrics Department.
- Designing and implementing economics studies in a multi-disciplinary team of Scientists on sugar based production systems.
- Assisting in the implementation of the KESREF-EU sponsored project from 2011

## 2001-2009

**Employer:** Kenya Sugar Research Foundation  
**Centre:** Kibos HQs.  
**Designation:** Acting Assistant Director and Senior Research Scientist (Economics)  
**Duties:** Head of the Economics and Biometrics Department.  
Designing and implementing economics studies in a multi-disciplinary team of scientists on sugar based production systems.

### Projects:-

- Sugar Database Management
- Economic assessments of technologies and production systems
- Impact and adoptions studies
- Constraint Analysis
- Socioeconomic and policy studies
- Economic impact of water hyacinth on Lake Victoria Fisheries
- Environmental Audits/Impact Assessments
- Biometric studies

## 1988 -2001

**Employer:** Kenya Agricultural Research Institute (KARI)  
**Centre(s):** National Sugar Research Centre, Kibos  
National Fibre Research Centre, Kibos  
**Designation:** Agricultural Research officer/Senior Research Officer (Socio-Economist)  
**Duties:** Designing and implementing socio-economic studies in a multi-disciplinary team on sugar based systems and Water hyacinth impacts in L. Victoria.

### Projects:

- Socio-Economic Impact of the Water Hyacinth on the lakeside communities of Lake Victoria, funded by World Bank thro' **Lake Victoria Environmental Management Project (LVMP)**.
- A study to identify sugarcane intercropping production practices and constraints in Western Kenya funded by **KARI/World Bank**
- Setting priorities for sugarcane research funded by **KARI/ISNAR**.
- Economic analysis of experimental findings on intercropping, planting methods, etc funded by **KARI/Sugar Development Fund/ADB**
- Educational programs for farmers aimed at increasing farmers' yields and profitability, funded by **KARI/Sugar Development Fund/ADB**.
- Informal survey on rainfed rice in Western Kenya- financed by **ADB**.
- Farm survey on the farm resources, profitability, and constraints of rainfed rice production in Western Kenya financed by **ADB**.
- Survey on socio-economic studies on crop protection problems in Western Kenya, funded by Overseas Development Agency (**O.D.A.**)

## 1982-1988:

**Employer:** Ministry of Agriculture, Kenya  
**Centre:** National Sugar Research Centre, Kibos  
**Designation:** Assistant Agricultural Research Officer (Farming Systems Economist)  
**Duties:** Designed and implemented farming systems studies in a multi-disciplinary team on Sugar cane based systems, funded by GOK and CIMMYT.

### Projects:

- A study on farming systems in Nyanza Sugar Belt
- Formal surveys on:
  - (1) Profitability of ratooning sugar cane in the Nyanza Sugar Belt;
  - (2) Economic implications of weeds and weed control measures in the Nyanza Sugar Belt;
  - (3) Economic effects of smut disease on sugar cane in the Nyanza Sugar Belt.
- On farm experiments/demonstrations on maize/bean and maize/cotton inter-cropping systems in Kisumu district funded by ODA.
- Economic evaluations of experimental findings.
- Educational programs for farmers aimed at increasing farm yield/profitability.

## **TEACHING AND TRAINING EXPERIENCES**

1. Currently Supervising 2 University Students –MMUST and University of Nairobi
2. Part-time Lecturer at Kabanga University College and Great Lakes University of Kenya (Kenya) teaching Agricultural Resource Economics/Managerial Economics for post graduate students.
3. Thesis External Examiner for Egerton University and Kisii University
4. Participated as Resource Person in agricultural/Social and Environmental economics training forums- organized by Kenya Society of Sugarcane Technologists, Non-governmental Organizations, Min. of Agriculture, Sugar Based Organizations, etc.
5. In servicing college/University students on attachments and tour/visits to the Kenya Sugar Research Foundation.
6. Developing and mentoring colleagues working in the Departments/Foundation in socioeconomics and environmental investigations.
7. As Head of Technical services dept which encompassed Technology Transfer, I assisted in developing and supervising training programs for sugar stakeholders.
8. I taught at Malava Girls School in 1978 while on long Holidays when undertaking My Bachelors Study at University of Nairobi.

## ***PROFESSIONAL AFFILIATIONS***

1. Association of African Agricultural Economists
2. Kenya Society of Sugarcane Technologists (KSSCT)
3. Ecological Society of Eastern Africa (ESEA)

## ***REFEREES***

1. Dr. Felister Makini      KALRO Hqs, P.O. Box 57811-0020 Nairobi- Kenya. Tel +254722-265777
2. Prof. W.K. Yabann:      Moi University, P.O. Box 3900- Eldoret- Kenya. Tel +254722-433079
3. Dr Wellington Mulinge   KALRO Hq Box 57811-0020 Nairobi Kenya Tel +254720788921

**MY SIGNATURE:**



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## **Student Supervision/Thesis Examination**

1. Msc. Thesis Supervision: Modelling Agricultural Gross Domestic Product of Kenyan Economy using Time series. Musyoki, M.N., (2018). Masinde Muliro University of Science and Technology (MMUST)
2. Msc. Thesis supervision: Factors Influencing Effectiveness of Farmers Research Groups in Disseminating improved Sugarcane Technologies in South Nyanza Sugar Zone of Kenya. William Ndirangu Changa. In the Agricultural Extension Dept. of Kisii University, 2014.
3. Msc. Thesis Examination MSc. thesis entitled: Effect of information channels on adoption of land use consolidation on maize yield in Bugesera District, Rwanda by Uwakunzwe Karasira Fausta's, Egerton University, and September 2013.
4. Msc. Thesis Examination: Farmers Knowledge And Management Of Striga Weed In Maize-Based Systems Of Western Kenya By Grace Mukonyo Katiku External Examiner's Report. Director, Board Of Postgraduate Studies Egerton University June 2013.
5. MSc. Thesis Examination: Effect of Information Pathways on Small Scale Tea Production in Western Kenya, by Victoria Mbigidde's-Egerton University, June 2011.
6. Supervision of two French Post graduate Students Undertaking research. I supervised two post graduate students from CIRAD-France (On exchange program) undertaking thesis research in the Kenyan Sugar Industry in 2009.
7. Supervision of University Students on attachment: I have been involved in supervising University students on attachment at the Foundation in the department of Economics and Biometrics and assisted them in report writing. The students were from various local Universities undertaking courses in Agricultural Economics, Agribusiness & Marketing and Applied Statistics;

## **Selected Professional/Consultancy Assignments**

I have been involved in providing professional and consultancy Services (Agricultural /socio and Environmental economics expertise) in the following areas:

### **Agricultural**

1. Economic analysis and report writing of Survey data; *Client* -ICIPE. Mbita- (*Various*)
2. Economic analysis and report writing of Survey data; *Client*- ICIPE. Nairobi (2003)
3. Study of effect of Jaggery plants on cane supply in Sonysugar zone; *Client*-Sony Sugar Company (2003)
4. Study of Sugar cane Intercropping in Western Kenya; *Client*--KARI/World Bank Socioeconomic Projects (1999)
5. An assessment of the Industrial research and development needs of the Kenyan Sugar Industry; *Client* - KESREF, KSB & KIRDI (2006).
6. Study on proposed Sugar Training Institute; *Client*- KESREF, KSB & Masinde Muliro University (2008).
7. Training in Project development and Management; *Client*-Kenya Nile Discourse Forum (2008)
8. Technical and economic assessment of irrigation system; *Client*- Chemelil Sugar Company

9. Participated in Priority Setting for Sugar Research and Development in Kenya; *Client-KESREF (2003)*
10. Preparation of the revised KESREF Strategic Plan (2009-14) and medium term Plan (2009-12) *(2009)*.
11. Value Chain analysis in the Sugar Industry- Client Kenya Sugar Board *(2010)*.
12. Participating in developing of a framework on Seedcane production, certification and distribution in Kenya.
13. Development of Farm Record Handbook for use in the Sugar industry.
14. Baseline Survey on Agricultural Mechanization in Kenya (2016)- KAFACI Funded Project

### **Environmental**

15. Assessing impact of water hyacinth on the fishery of Lake Victoria; *Client-Moi University-Ph.D Thesis (2005)*
16. Environmental impact assessment for Molasses Plant; *Client-Spectre International (2006)*
17. Environmental audit of a quarry; *Client- Shajahnand-Kisumu; ((2006)*
18. Self Environmental audit; *Client- Kenya Sugar Research Foundation (Various)*
19. A study on the Integrated Pest Management in the Lake Victoria Basin.; *Client- Lake Victoria Environmental Programme/World Bank (2007)*.
20. Socioeconomist with SMEC International. Costing of environmental and social potential mitigation costs/Benefits for the proposed project on energy Scale up in Kenya (2009).
21. Peer review : Kenya Water Towers Agency (KWTa) Status Report for Shimba Hills 2019

### **GRANTS AND SCHOLARSHIP AWARDS**

1. Postgraduate (Masters): (1994): United States Agency for International Development (USAID) to pursue an M.Sc in Agricultural Economics at Kansas State University-USA.
2. Postgraduate (Doctorate): (1999): World Bank/LVEMP to pursue Doctor of Philosophy in Environmental Studies (Economics).
3. Research Grants (1999): World Bank through KARI Ksh. 330,000 to conduct studies in Sugar cane intercropping in Western Kenya.
4. Research Grants (2007): World Bank through KARI Ksh 1,500,000 to conduct studies in a study on the Integrated Pest Management in the Lake Victoria Basin.; *Client- World Bank/Lake Victoria Environmental Programme*.
5. Training Grants (2008): Kenya Nile Discourse for Ksh 900,000 to conduct training in Project development and Management for civil society organizations (CSOs) in the Lake Region; *Client-Kenya Nile Discourse Forum*.
6. KESREF-EU Project on Sugar Reform Support Project; Assisted in the Management/Implementation of this project since 2011 to date.
7. Baseline Survey on Agricultural Mechanization-in Kenya-Funded by Korea-Kenya Food and Agriculture Cooperation Initiative 2016.
8. Agricultural Mechanization index, productivity and profitability for four major value chains in Kenya.- Funded by Korea-Kenya Food and Agriculture Cooperation Initiative 2018-19
9. Demand driven Agricultural Mechanized solutions for small scale farmers especially Women farmers and youth entrepreneurs-2019-IDRC

## PUBLICATIONS

### I. JOURNAL

1. Musyoki, M.N., Ong'ala, J. and Wawire, N (2018). Modelling Agricultural Gross Domestic Product of Kenyan Economy using Time series. *Asia Journal of Probability and Statistics*: 2 (1): 1-12, 2018.
2. **N.W.O. Wawire** and V.O. Ouma (2013). Assessment Of Profitability In Sugarcane Production Using Cost Benefit Analysis And Net Present Value Techniques In Kenya in the *East. Africa Agric. For. J. (2013) 79(4), 243-250*.
3. J. N. O Okech, **N.W.O. Wawire**, W. A. O. Kore, T.O. Okiyo, V.O. Otieno and G. Onyango **(2010)**. A Comparative Economic Analysis Of The Traditional And Improved Upland Rainfed Rice Varieties In Kisumu District, Kenya in the *E. Afr. agric. For. J. (2010) 76(3), 139 -143*.
4. Wawire, Noah W., J.W.K Olumbe, & P.E. Ragama (1987). Findings of a formal survey on the profitability of ratooning sugar cane in Nyanza Sugar belt, *Kenya Sugar Journal Vol. IV No. 1, 1987*.
5. Olumbe, J.W.K, **N.W. Wawire**, & P.E. Ragama (1985). A multi-disciplinary approach to generating and disseminating technology to Kenya farmers. *Kenya Sugar Journal, Vol. IV No.1, 1985*.

### II CONFERENCE PAPERS

1. *Shiundu R, Wawire N, Jamoza J, Ong'injo E, Kipruto B, Ong'ala J, Otieno V* (2013) Analysis of Economic Return sand Variety Development Cost of KESREF Released Sugarcane Varieties in KENYA. Proceedings of the 11<sup>th</sup> African Crop Science Society Conference 14<sup>th</sup> – 17<sup>th</sup> October 2013 Entebe, Uganda.
2. Ong'ala J., **Wawire N.**, Jamoza J., Ong'injo E. and Otieno V. (2013). An economic Selection index that combines cane yield and sugar content in identifying superior sugarcane clones. Proceedings of the 11<sup>th</sup> African Crop Science Society Conference 14<sup>th</sup> – 17<sup>th</sup> October 2013 Entebe, Uganda.
3. Omondi C.O. and **Wawire N.W.** (2011). Emerging Sugar and Ethanol Production Technologies presented at The 1<sup>st</sup> Brazil Eastern Africa South-South Conference 2011, 23-24<sup>th</sup> March 2011 KICC-Nairobi-Kenya.
4. **Wawire N.W. (2010)**. An insight on the Competitiveness of the Sugar subsector –Kenya. Presented to the 12th KARI Biennial Sugar and Scientific Conference, held from 8<sup>th</sup> -12<sup>th</sup> November 2010 at KARI Hqs.
5. Mulinge W., **Wawire N.W.**, Njeru P. and Ouma V. (2010). Analysis of the production, Processing and Marketing costs for Sugarcane to Sugar Value Chain in Kenya. Presented to the 12<sup>th</sup> KARI Biennial Scientific Conference, held from 8<sup>th</sup> -12<sup>th</sup> November 2010 at KARI Hqs



6. **Wawire N. W. O (2008)**. Sugar Research and Development in Kenya. Presented to the 4<sup>th</sup> East Africa Sugar Conference, 24-26<sup>th</sup> June 2008, at Imperial Hotel, Kisumu Kenya, contained in the Proceedings.
7. Muturi S.M., **Wawire N.W.O.** and Amolo R.( 2008). Technical and Economic evaluations of Irrigation Systems in Sugarcane Production in Kenya: The Case of Chemelil sugar Company. A paper presented to the 4<sup>th</sup> Annual International Conference, held at Moi University, 29<sup>th</sup> July 2008 to 1<sup>st</sup> August 2008.
8. Wawire N. W.O. (2007). Product Diversification and Value Addition in the Sugar Industry. Presented to A stakeholders' Workshop on Industrial Research and Development needs of the Sugar Industry, 2<sup>nd</sup> March, 2007-Kisumu Hotel, Kisumu-Kenya.
9. Wawire, N. W., Maritim H.K., Muhamad L. and Yabann, W.K. (2006). The Impact of Water Hyacinth, Climate and Price on Fish harvest. The case of Lake Victoria Fishery. A paper Presented during the KARI Biennial Scientific Conference and Agricultural Forum, held at KARI Hqs., Nairobi Kenya, 12-17<sup>th</sup> November 2006.
10. Kahora W.K., **Wawire, N.W.** and Wachira P. M (2006). Statistical Determination of factors influencing customer satisfaction with Research Technologies in the Kenya Sugar Industry. A paper Presented during the KARI Biennial Scientific Conference and Agricultural Forum, held at KARI Hqs., Nairobi Kenya, 12-17<sup>th</sup> November 2006.
11. Wawire N.W., R.M. Shiundu, and K.B. Kipruto 2006; Identification and ranking of sugarcane Production constraints. The case of Sony Sugar Zone. A paper presented during the KARI Biennial Scientific Conference and Agricultural Forum, held at KARI HQs., Nairobi-Kenya, and 12<sup>th</sup> -17<sup>th</sup> November, 2006.
12. Wawire N.W. and Kahora F. (2006). The Role of Research with respect to cane payment system in Kenya. A Paper presented to a Sugarcane pricing Committee Workshop on Cane Payment System, 21-22<sup>nd</sup> September 2006, held at Sony Sugar-Kenya
13. Wawire, N.W., Shiundu R. M and Kipruto K.B. (2005). Identification and Ranking of Zonal Sugarcane Production Constraints in the Kenya Sugar Industry. A Paper Presented during the KSSCT OGM/Congress at Nzoia Sugar Company, 27<sup>th</sup>- 28<sup>th</sup> October 2005.
14. Wawire, N.W. and GRS Ochiel, (2005). A Review of the impact of water hyacinth on L.Victoria Kenya. The case of Winam Gulf. LVEMP proceedings for a Regional LVEMP Scientific Conference held in Kisumu-Kenya, 3-7<sup>th</sup> 2001.
15. Wawire, Noah W. (1996). Feasibility study on a short flow wheat flour Mill in Western Kansas: Class project at Kansas State University on a *course on Agribusiness Planning and Feasibility Analysis, Summer 1995*.
16. Ransom, J.K., **N.W. Wawire** & T. Compton (1993). Yield losses due to Striga. *A paper presented at the National Striga Weed Workshop 18-21, June 1990, at Kisumu, Kenya.*
17. Wawire, N.W.O. Sugar Cane production costs and returns. *A paper presented to a seminar on Management of Sugar cane production, 8-19, April 1990.*
18. Olumbe, J.W.K., **N.W. Wawire**, & P.E. Ragama (1987). Findings of a formal survey on the economic implications of weeds and weed control measures in sugar cane in the Nyanza Sugar belt. *Presented to KSSCT Workshop at Mumias, 1987*
19. Ragama, P. E., **N. W. Wawire**, & J.W.K Olumbe. Findings of a formal survey on the economic effects of smut disease in sugar cane in the Nyanza Sugar belt. *Presented to KSSCT Workshop at Mumias, 1987.*

### III OTHER PUBLICATIONS

1. Noah W. Wawire., Charles Bett., **Reuben C. Ruttoh.**, John Wambua., Fatuma G. Omari., Rachael Kisilu., Justus Kavoi., Josphat Omari., Nasirembe W. Wanyonyi and Patrick Ketiem (2016). The status of agricultural mechanization in Kenya, AMRI-Katuman Technical Reports, Machakos, Kenya.
2. Mulinge W., **Wawire N.**, Rono J., Muturi S. Wahome J., Omollo J., Maina P. Omoto G. and Odenya J. 2009. Priorities for Sugar Research and Development in Kenya. *KESREF Publication*.
3. Wawire N. W., Mulama P., Shiundu R. and Ouma V. 2009. Analysis of Sugar Processing Technical efficiency and Cost reduction Strategies in Kenya. *KESREF Technical Report*.
4. *Wawire N.W., Shiundu R. M and Mulama P. (2008). Sugar Processing Efficiency and Cost Reduction Strategies in Kenya. KESREF Technical Report.*
5. Wawire et.al, 2008a. A study on the proposed training institute for the Kenya Sugar industry. *A KESREF, KSB & MMUST report*.
6. Manyala J., Mwende T., **Wawire, N.W.** and Njoka S. (2007). Integrated Pest Management for the Lake Victoria Basin. World Bank Report for the Lake Victoria Environmental Management Project.
7. Wawire, et.al. 2008b. A study on synchronizing sugarcane establishment and crushing capacities in the Kenya sugar industry. *KESREF Technical Report*.
8. Wawire et.al., 2007a. A study on the economic opportunities of Sugarcane by-products and Sugar co-products utilization in the Kenya Sugar Industry. *KESREF Technical Report*.
9. Wawire et.al., 2007b. A Study on the Inputs and output assessment using a model firm at Kibos. *KESREF Publication*.
10. Wawire, N.W, D.P. Nyongesa, and K.B.Kipruto, 2007. A Report on 'A Study of the effect of land subdivision on Sugarcane production in Kenya. *KESREF Technical Bulletin Vol 1 No 2*.
11. Muturi S.M and **Wawire, N.W.** (2006). Effect of Irrigation on Sugarcane Productivity in Nyando Sugar Zone. *KESREF Technical Bulletin Vol 1*.
12. Muturi S. M., Wawire, N.W. and Amolo (2007). Effect of irrigation on sugarcane productivity and profitability: A case study of Chemelil Sugar Company. *KESREF Technical Report 2007*.
13. Wawire et.al., 2006. An assessment of the Industrial research and development needs of the Kenyan Sugar Industry. *KESREF-KESB-KIRDI Publication*.
14. Wawire N.W.O, F. Kahora, P. M. Wachira (2006). A Technical report on Technology Adoption Study in the Kenya Sugar Industry. *KESREF Technical Bulletin Vol 1*.
15. Wawire N.W.O, F. Kahora, K. B. Kipruto, P. Chepkwony and R.M. Shiundu (2006). A report on Customer Satisfaction Study in the Kenya Sugar Industry. *KESREF Technical Report*.
16. Wawire N.W.O, F. Kahora and R.M. Shiundu (2006). Cost Reduction Strategies in Sugarcane Production in Kenya. *KESREF Technical Bulletin Vol 1*.
17. Wawire N.W.O., J. E. Jamoza and R.M. Shiundu (2005). Identification and Ranking of Zonal Sugarcane Production Constraints in the Sugar Industry. *KESREF Technical Bulletin Vol 1*.
18. Wawire N.W.O (2005). The Impact of Water Hyacinth on the productivity, profitability and species composition of the Lake Victoria Fishery, Kenya. *A PhD thesis -Moi University-Kenya*.
19. Wawire, N.W. and GRS Ochiel, (2005). A Review of the impact of water hyacinth on L.Victoria Kenya. Knowledge and Experiences gained from Managing Lake Victoria

- Ecosystem. A Publication of the Lake Victoria Management Project (LVEMP) 2005.
20. Muturi S.M., **Wawire N.W.O.** and Amolo R.( 2004). An Evaluation of Irrigation Systems in Chemelil sugar Company – *A Final Report presented to Chemelil Sugar Company.*
  21. Majani, A.K. and N.W. Wawire (2003). The Effect of Jaggery plants on the Sonysugar factory. *KESREF-Sonysugar Publication.*
  22. Kanampiu, F.K., **Wawire N.W.O.** and Muriithi F. (2002). Assessment of Economic potential in using Herbicides to Control Striga in Western Kenya. *CIMMYT, Kenya.*
  23. Majani, A.K. and **N.W. Wawire** (2001). A Report on ' A Survey on the Centrifugal Plants (Jaggery) in Western Kenya. *KESREF Technical Report.*
  24. Wawire, N. W., Amolo R.A., P.N. Ochola and A.M. Nyanga'u (1999). Survey Findings of Sugar cane Intercropping in Western Kenya 1999. *A paper presented to KARI/World Bank Socioeconomic Projects.*
  25. Wawire, N. W., Amolo R.A., P.K. Chebosi and P.N. Ochola (1998). A report of the Secondary Information on Sugarcane Intercropping in Western Kenya, 1998. *A paper presented to KARI/World Bank Socioeconomic Projects.*
  26. Wawire, et..al (1998). Research Priorities of the KARI Sugarcane Programme. *The Sugarcane Priority Working Group-KARI.*
  27. Wawire, N.W.O, D.W. Norman & M. Langemeier (1996). Rainfed rice Production in Western Kenya Productivity and profitability. Research Report No. 22, Department of Agricultural Economics, Kansas State University. *A paper based on the M.S. Thesis.*
  28. Wawire, Noah W. (1996). Determinants of rainfed rice productivity/profitability. The case of Western Kenya. An MSc. thesis Agricultural economics, Dept. Kansas State University, USA.
  29. Wawire et..al. (1993). A formal survey report on profitability, farm resources and constraints on rainfed Rice production in Western Kenya. *A report for KARI/LBDA rice project under the WKRRDP 1993.*
  30. Various Annual reports: KARI/LBDA (1991-1993; KARI-NSRS (1982-2001) and KESREF (2001-2005).