

Pius Zebhe Yanda

I. Personal Particulars

1. Name: Pius Zebhe Yanda
1. Date of Birth: 15th March, 1960.
2. Place of Birth: Kasulu District, TANZANIA.

II Contact Address

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III Academic History (University Education)

- 1983-1986: B.Sc.(Geology), University of Dar-es-Salaam
1987-1989: M.Sc. in Natural Resources Management at Agricultural
University of Norway (Ås),
1991-1995: Ph.D in Physical Geography, Stockholm University

IV Working Experience

- (a) 1986-1988: Tutorial Assistant (Research), University of Dar es Salaam
(b) 1988-1991: Assistant Research Fellow, University of Dar es Salaam
(c) 1991-1997: Research Fellow, University of Dar es Salaam
(d) 1997- 2001: Senior Research Fellow, University of Dar es Salaam
(e) 2001 – 2007: Associate Research Professor
(f) July 2007 - todate: Full Research Professor
(g) July 2006 - 2012: Director – Institute of Resource Assessment
(h) March 2014 - Todate: Director, Centre for Climate Change Studies

V Extra-curricula Activities

Between 2005 and 2007, Professor Yanda was one of one the international experts in the panel that made a scientific review of state of art on climate change in the globe. He is one of the Lead Authors for Chapter 9 (Africa Chapter) of the Working Group II of the IPCC Fourth Assessment Report (AR4).

In 2009 Professor Pius Yanda was appointed to be a Lead Author for Chapter 8 of the IPCC Special Report on Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation. The report was published in March 2012.

In 2010, Professor Yanda was nominated to serve as a member of the Joint Scientific Committee. The committee consists of 18 scientists selected by mutual agreement between the three sponsoring organizations and representing climate-related disciplines in atmospheric, oceanic, hydrological and cryospheric sciences. These committee provides scientific guidance for the World Climate Research Program (WCRP). Implementation of WCRP's programme takes place through the [Joint Planning Staff \(JPS\)](#) in Geneva and Paris. The JSC conducts its business by holding annual sessions to which JSC members, Chairs and Directors of WCRP Projects, ESSP projects, START and other experts and representatives are invited.

WWRP advances society's ability to cope with high impact weather through research focused on improving the accuracy, lead time and utilization of weather prediction. The WWRP includes working groups, experts teams and the THORPEX programme. The function of the Joint Science Committee includes providing the overall scientific guidance for the program, identifying priorities and making recommendations on new projects for the WCRP, such as Forecast and Research Demonstration (FDPs and RDPs) Projects. The JSC was established by the 14th session of the Commission for Atmospheric Sciences.

Professor Pius Yanda has since 2009 been facilitating the process of developing National REDD Strategy with support from the Royal Norwegian Embassy. National REDD+ Strategy and Action Plan were published in 2013.

In 2010, Professor Yanda was appointed the Chair holder of Mwalimu Julius Nyerere Professorial Chair in environment and Climate Change of the University of Dar Es Salaam for the tenure of three years renewable.

Between 2006 – 2012, Professor Pius Yanda has been the Director of the Institute of Resource Assessment, University of dar Es Salaam.

In 2011 Professor Pius Yanda took a leadership role in establishment of Centre for Climate Change Studies and a Masters Program in Climate Change and Sustainable development at the University of Dar Es Salaam. Establishment of the centre and MSc. in Climate Change and Sustainable Development were approved by the council in 2013. Professor Yanda was then appointed to be Director of the Centre.

On 25th October 2012, Professor Pius Yanda received Golden Award from the University of Dar Es Salaam in recognition of his outstanding achievement in Environmental and Climate Change related Research at the National and International level.

VI Publications

A. Journal Articles

1. Chorowicz, J, I. Roggeri, J.P. Rudant, G. Tamain and **Yanda, P.Z.** (1988): Structural survey of the Ufipa Block (Karema area, Lake Tanganyika, Tanzania). In: *Lavreau, J. and C. Bardinnet (Eds) (1988); Image analysis, Geological Control and Radiometric Survey of LandSat TM Data in Tanzania. Ann Serie in 8, Sc. Geol, 96, 43-62.*
2. Tamain, A.L., J. Lavreau, J.T. Nanyaro and **P.Z. Yanda** (1988): Regional Metallogenic analysis in Western Tanzania: Mineralization during the first stages of the Lower Proterozoic. In: *Lavreau, J. and C. Bardinnet (Eds) (1988); Image analysis, Geological Control and Radiometric Survey of LandSat TM Data in Tanzania. Ann Serie in 8, Sc. Geol, 96, 5-11.*

3. Payton, R. W., C. Christiansson, E.K. Shishira, **P.Z. Yanda** and M.G. Eriksson (1992): Landform, soils and erosion in the North-Eastern Irangi Hills, Kondoa, Tanzania. In: *Geografiska annaler. Vol. 74 Ser A.* 65-79.
4. **Yanda, P.Z.** (1997): Classification of Soil Degradation Intensity as a Basis for Soil and Water Conservation Strategy in semi-arid and Sub-humid Areas: An example from Mwisanga Catchment, Kondoa, Central Tanzania. In ; *Journal of the Geological Society of Tanzania, Vol. 1(1997)*
5. Shishira, E.K., Yanda, P.Z. and Lyimo, J., (1998): Vegetation Dynamics and Management Implications in the Pugu and Kazimzumbwi Forest Reserves, Tanzania. *Coenoses* 13 (3): 149-158.
6. Stromquist, L., Yanda, P., Lindberg, C., Msemwa, P., and Simonsson-Forsberg, L., (1999): The extended baseline perspective – Utilising land information to analyse and predict environmental change. A Tanzanian example. *Ambio Vol. 28, No. 5*; 436-443.
7. **Yanda, P.Z.** (2000): Use of Soil Horizons for Assessing Soil Degradation and Reconstructing Chronology of Degradation Processes: The case of Mwisanga Catchment, Kondoa, Central Tanzania. *Geomorphology*; Volume/Issue **34/3-4**; 209-225.
8. **Yanda, P.Z. (2000)**: Spatial and Temporal Extent of Gully Erosion in Kondoa District: The Case of Mwisanga Catchment, Central Tanzania. *Journal of Tanzania Geographical Association No. 28.*
9. **Yanda, P.Z. (2000)**: Human Pressure on the Bio-physical Environments and the Emerging Environmental Degradation in Tanzania. *Journal of Tanzania Geographical Association No. 29.*
10. Majule, A., Shishira, E.K. and **Yanda, P.Z.** (2001): Declining Soil Fertility: A Challenge For Sustainable Productivity of Land Under Cashew Farms, Southern Areas Of Tanzania. *Journal of Tanzania Geographical Association No. 30*; pp. 30-48.
11. Ngana, J.O., R.B.B. Mwalyosi, N.F. Madulu, **P.Z. Yanda** (2003): Development of an integrated water resources management plan for the Lake Manyara sub-basin, Northern Tanzania - 1. *Physics and Chemistry of the Earth 28*; 1033-1038.
12. Ngana, J.O., R.B.B. Mwalyosi, N.F. Madulu, **P.Z. Yanda** (2004): Development of an integrated water resources management plan for the Lake Manyara sub-basin, Northern Tanzania - II. In *Physics and Chemistry of the Earth*.
13. **Yanda, P.Z.** and Madulu, F (2005): Water Resource Management and Biodiversity Conservation in the Eastern Rift Valley Lakes, Northern Tanzania. *Physics and Chemistry of the Earth, Parts A/B/C, Volume 30, Issues 11-16.* P. 717-725
14. Majule, A., Shishira, E.K. and **Yanda, P.Z.** (2005): Soil Fertility Response to the Application of Selected Organic Residues under Sulphur Dusting in Southern Tanzania. *Bunda J. of Agric. Env. Sci. and Tech. Vol. 3-1, pp. 1-11.*
15. **Yanda, P.Z.**, Kangalawe, R.Y.M. and Sigalla, R. (2006): Climatic and Socio-Economic Influences on Malaria and Cholera Risks in the Lake Victoria Region of Tanzania. *IJEE, Vol. IV, No. 3. P.44-70.*
16. **Yanda, P.Z.**, Majule, A.E. and Mwakaje, A.G. (2005): Implications of Farming Practices on the Environment, Food Security and Poverty Levels in Matengo Highlands, Mbinga District, Southern Tanzania. *IJEE, Vol. IV, No. 1. P.55-80.*
17. Olago, D., Marshall, M., Wandiga, S.O., Opondo, M., **Yanda, P.Z.**, Kangalawe, R., Githeko, A., Downs, T., Opere, A., Kabumbuli, R., Kirumira, R., Ogallo, L., Mugambi, P., Apindi, E., Githui, F., Kathuri, J., Olaka, L., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (Forthcoming): Climatic, Socio-economic and Health Factors Affecting Human Vulnerability to Cholera in the Lake Victoria Basin, East Africa. **(In Press) - Ambio**
18. Majule, A., J.O. Omollo and **P.Z. Yanda** (2005): Response of Maize During Amelioration of Sulphur Induced Acidity with Organic Residues in Cashewnut Growing Soils of Mtwara, Tanzania. **(In Press) - Tanzania Journal of Sciences**

19. **Yanda, P.Z.** (2005): Implications of Population Increase and Land Tenure on Land Resources Integrity in the Kondo Lower Irangi, Central Tanzania - *The Case of Mrijo Village. Tanzania J. Pop. Stud. Dev., Vol. 12, No. 1, p. 103-112.*
20. **Yanda, P.Z.,** Wandiga, S. O., Kangalawe, R., Opondo, M., Olago, D., Githeko, A., Githui, F., Marshall, M., Downs. T., O pere, A., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L. Ogallo, L. Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2006): Adaptation to Climate Change/Variability – Induced Highland Malaria and Cholera in the Lake Victoria Region. **AIACC Working Paper No. 43.** www.aiaccproject.org.
21. Wandiga, S. O., Olago, D., Opondo, M., Githeko, A., Githui, F., Marshall, M., Downs. T., O pere, A., **Yanda, P.Z.,** Kangalawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L. Ogallo, L. Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P.(2006): Climatic, Socio-economic and Health Factors Affecting Human Vulnerability to Cholera in the Lake Victoria Basin, East Africa. *Ambio Vol. 36*
22. Mung'ong'o, C.G. and **Yanda, P.Z.** (2006): Risks, Livelihoods and Vulnerability to Flooding in Kyela District, Mbeya Region, Tanzania. *Tanzania Economic Trends, TET: A Biannual Review of the Economy; Volume 19, No. 1.*
23. **Yanda, P.Z.** (2007): Drying of Lake Jipe – Is it Climatic and/or Human Induced Phenomenon?, *IJEE Vol. V. No. 1*
24. **Yanda, P.Z.** (2007):Transformation of Natural Ecosystem to Agricultural Land and Implications on Environmental Integrity and Rural Livelihood in Lower Irangi, Semi-arid Central Tanzania - *UTAFITI Journal of the Faculty of Arts and Social Sciences, Vol.7, No.1*
25. **Yanda, P.Z.** and Ngana, J.O. (2007): **Integrated Natural Resources Management in the Highland – Lowland Ecosystems –** The Case of Hingilili Catchment in the Pare Mountains, Northern Tanzania. *Journal of Geographical Association of Tanzania (JGAT); Issue No. 33.*
26. Börjeson, L., Dorothy L. Hodgson, and **Pius Z. Yanda** (2008): Northeast Tanzania's disappearing rangelands: historical perspectives on recent land-use/cover change at a regional scale. *Int. J. Afr. Hist. Stud., 41, 523-556*.
27. Alagarwamy, G., Moore, N., Lofgren, B., Pijanowski, B., Thornton, P., Olson, J. M., Andresen, J., **Yanda, P. Z.,** Qi, J., (2008). Food Production Impacts of Climate Change and Land Use Change in East Africa, *Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract GC53B-0730.*
28. **Yanda, P.Z.** and Shishira, E.K. (2009): Peoples' response to diminishing natural resource base in the Pare-Usambara area, North Eastern Tanzania. *Scientific Research and Essay Vol.4 (12), pp. 1536-1542, December, 2009*
29. Daniel O., M. Marshall, S. O. Wandiga, M. Opondo, **P. Z. Yanda,** R. Kangalawe, A. Githeko, T. Downs, A. Opere, R. Kabumbuli, E. Kirumira, L. Ogallo, P. Mugambi, E. Apindi, F. Githui, J. Kathuri, L. Olaka, R. Sigalla, R. Nanyunja, T. Baguma, and P. Achola (2007): Climatic, Socio-economic, and Health Factors Affecting Human Vulnerability to Cholera in the Lake Victoria Basin, East Africa. **AMBIO: A Journal of the Human Environment.** Volume 36, Issue 4 (June 2007)
30. Leo Peskett, **Pius Yanda** (2009): The REDD+ outlook: how different interests shape the future. **ODI Background Notes.** Overseas Development Institute (ODI). Overseas Development Institute (ODI), London, UK. Available on website www.odi.org.uk.
31. Majule, A.E., **Yanda, P.Z.,** Shishira, E.K and Mwakaje, A.G (2009). Underlying Threats on Forest Reserves in Tabora Region, Western Tanzania: The Case of Igombe River and

32. **Yanda, P.Z.** & William Christopher (2010): Livelihoods Diversifications and Implications on Food Security and Poverty Levels in the Maasai Plains: **Afr. J. Environ. Sci. & Tech. Vol. 4 (3)**.
33. **Yanda, P.Z.** (2010): Impact of small-scale tobacco growing on the spatial and temporal distribution of miombo woodlands in Western Tanzania. **Journal of Ecology and the Natural Environment Vol. 2(1) pp 010-016**.
34. Tonnang, H.E.Z., YM Kangalawe, R.Y.M., and **Yanda, P.Z.** (2010): Predicting and mapping malaria under climate change scenarios: The potential redistribution of malaria vectors in Africa. **Malaria Journal, 9, 111**
35. Chang'a, L.B., **P.Z. Yanda** and J. Ngana (2010): Indigenous Knowledge in seasonal rainfall prediction in Tanzania: A case of South-Western Highland of Tanzania. **Journal of Geography and Regional Planning Vol. 3(4)**, pp. 66-72.
36. Chang'a, L.B., **P.Z. Yanda** and J. Ngana (2010): Spatial and temporal analysis of recent climatological data in Tanzania. **Journal of Geography and Regional Planning Vol. 3(3)**, pp. 044-065.
37. Wandiga, S. O., M. Opondo, Daniel O., M. Marshall, **P. Z. Yanda**, R. Kangalawe, A. Githeko, T. Downs, A. Opere, R. Kabumbuli, E. Kirumira, L. Ogallo, P. Mugambi, E. Apindi, F. Githui, J. Kathuri, L. Olaka, R. Sigalla, R. Nanyunja, T. Baguma, and P. Achola (2007): Vulnerability to Epidemic Malaria in the Highlands of Lake Victoria Basin: the Role of Climate Change/Vulnerability, Hydrology and socio-economic factors. **Climate Change (2010) 99:473-497**
38. Moore, N., Alagarwamy, G., Pijanowski, B., Thornton, P., Lofgren, B., Olson, J., Andresen, J., Yanda, P., Qi, J. (2011): East African food security as influenced by future climate change and land use change at local to regional scales. *Climate Change*. DOI 10.1007/s10584-011-0116-7.
39. **Yanda P.** and Bronkhorst S. (2011): Climate change and conflict: Conflict-sensitive climate change adaptation in Africa. **Policy & Practice Brief. Knowledge for Durable Peace**. ISSUE # 014 November 2011
40. Hamerlynck, O., Duvail, S., Vandepitte, L., Kindinda, K., Nyngi, D.W., Paul, J.-L., **Yanda P.Z.**, Mwakalinga, A.B., Mgaya, Y.D. & J. Snoeks 2011. To connect or not to connect – floods, fisheries and livelihoods in the Lower Rufiji floodplain lakes, Tanzania. *Hydrological Sciences Journal* 56 (8) : 1436-1451.
41. Frank Biermann, Michele M Betsill, Susana Camargo Vieira, Joyeeta Gupta⁵, Norichika Kanie, Louis Lebel, Diana Liverman, Heike Schroeder, Bernd Siebenhüner, **Pius Z Yanda**, Ruben Zondervan (2011): Navigating the Anthropocene: the Earth System Governance Project strategy paper. **Current Opinion in Environmental Sustainability**. Volume 2, Issue 3, August 2010, Pages 202–208
42. Hamudu I. Hamisi, Madaka Tumbo, Elikana Kalumanga & **Pius Yanda** (2012): Crisis in the wetlands: Combined stresses in a changing climate – Experience from Tanzania. **Climate and Development**. Available online: 27 Feb 2012 **DOI: 10.1080/17565529.2012.665009**

43. Neil Bird, Helen Tilley, Nella Canales Trujillo, Godber Tumushabe, Bryn Welham, and **Pius Yanda** (2013): Measuring the effectiveness of public climate finance delivery at the national level; **Overseas Development Institute**, March 2013
44. **Yanda P.Z. (2015)**: Climate Change Implications for Management and Use of Agricultural Biodiversity Resources in Africa. **Environment and Ecology Research, Vol. 3, No. 2.**
45. **Yanda P.Z. (2015)**: Linking Forest Management and Community Livelihoods - The case of Pare and Usambara Mountains Ecosystems. **Journal of Agricultural Economics and Development (Accepted for Publication).**
46. Petzold M., **Yanda P. Z.** and Kleyer M. (2015): Modeling land cover tolerance to environmental factors in North East Tanzania; **Journal of Tropical Ecology (Accepted Publication).**
47. Kadomo, D. H., **Yanda, P. Z.,** and Maganga, F. P. (2015): The Impact of REDD+ Readiness Projects on Community Behaviour Change towards Forest Management: A case of Kolo Hills Forests, Kondoia Tanzania.
- 48.

B. Books/Book Chapters

1. **Yanda, P.Z.** (1993): Soil erosion and the degradation of arable land in Kondoia, Tanzania. The case of Mwisanga Catchment area. In: Johan Dahl, D. Drakakis-Smith, and Anders Närman (Eds.); Land, food and basic needs in developing countries, Göteborg: University of Göteborg, Department of Human and Economic Geography; pp. 51-68.
2. **Yanda, P.Z.** (1996): Soil Erosion and the Fate of Ntomoko/Mwisanga Water Supply Scheme in Kondoia District, Central Tanzania. In: Christiansson, C. and Kikula, I. S. (Eds.); *Changing Environment: Research on Man-Land Interrelations in Semi-Arid Tanzania*, Regional Soil Conservation Unit (SIDA), Nairobi, **Report No. 13; 46-53.**
3. Dejene, A., Shishira, E.K., **Yanda, P.Z.** and Johnsen, F. (1997): *Land Degradation in Tanzania; Perception from the Village: World Bank Technical Paper No. 370.*
4. **Yanda, P.Z.** (1999): *Water Infiltration Rates on Degraded Soils in Mwisanga Catchment, Kondoia, Central Tanzania.* Chapter 6 in a book titled "Sustainable Agriculture in Semi-arid Tanzania, Dar es Salaam University Press (DUP), Dar es Salaam.
5. **Yanda, P.Z.** and Shishira, E.K. (1999): *Land Cover Changes and Driving Forces in Tanzania.* In Ravichandran, V. (Ed.): Regional Land Cover Changes, Sustainable Agriculture and their Interactions with Global Change (with focus on sub-saharan African Countries). COSTED, Chennai
6. Schwabe, C.A., Ballance, A., Sola, L., Maxted, J., Mafuta, C., O' Donovan, M., and **Yanda, P. (2000)**: *Strategy for the Development of Environmental Indicators for State of Environment Reporting in SADC.* The Southern African Research and Documentation Centre (SARDC IMERCSA).
7. **Yanda, P.Z.** and Shishira, E.K. (2001): Forestry Conservation and Resource Utilisation on Southern Slopes of Mount Kilimanjaro: Trends, Conflicts and Resolutions. ***In*: Water Management in Pangani River Basin (Chapter 3), Research Monograph Volume 1.**
8. Mpanda, S. and **Yanda, P.Z. (2001)**: Geological Evidences for the Formation of Springs on the Slopes of Mounts Kilimanjaro and Meru, Northern Tanzania. ***In*: Water Management in Pangani River Basin (Chapter 2), Research Monograph Volume 1.**

9. **Yanda, P.Z.** and Mpanda, S. (2001): Spring Water Discharge Variability on the Foothills of Mount Kilimanjaro. *In: Water Management in Pangani River Basin (Chapter 2), Research Monograph Volume 1.*
10. **Yanda, P. Z. (2001):** Land Use Pressure on the Upper Slopes of Mount Kilimanjaro and Progressive Colonization of Marginal Areas on Foothills. *In: Water Management in Pangani River Basin (Chapter 7), Research Monograph Volume 2.*
11. E.K. Shishira & **P.Z. Yanda** (2004): Landscape Evolution in the Kondoa Irangi Hills, Central Tanzania. In: Kikula et al. (eds.): Geophysical and Socio-political Dynamics of Environmental Conservation in Kondoa District, Central Tanzania. MALISATA Monograph No. 1 (Chapter Three).
12. E.K. Shishira & **P.Z. Yanda** (2004): Landscape Vulnerability in the Kondoa Irangi Hills, Central Tanzania. In: Kikula et al. (eds.): Geophysical and Socio-political Dynamics of Environmental Conservation in Kondoa District, Central Tanzania. **MALISATA Monograph No. 1** (Chapter Four).
13. **P.Z. Yanda** & R.Y.M. Kangelawe (2004): Land Tenure and Use Dynamics in The Kondoa Irangi Hills. In: Kikula et al. (eds.): Geophysical and Socio-political Dynamics of Environmental Conservation in Kondoa District, Central Tanzania. MALISATA Monograph No. 1 (Chapter Eight).
14. van Koppen, B., Sokile, C., Hatibu, N., Lankford, B. Mahoo, H. and **Yanda, P.** (2005): Water Rights and Water Fees in Rural Tanzania. In: Molle, F., Barker, R., and Berkoff, J., (Eds.): Between Prescription and Practice: Irrigation water pricing policies in context: pp 34.
15. Wandiga, S. O., Opondo, M., Olago, D., Githeko, A., Githui, F., Marshall, M., Downs. T., Opere, A., **Yanda, P.Z.**, Kangelawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L. Ogallo, L. Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2007): Vulnerability to climate induced highland malaria in east Africa. *In: N. Leary, C. Conde, A. Nyong and J. Pulhin, eds., Accepted for Publication in Dimensions of Vulnerability in a Changing Climate - Case Studies from the Developing World.*
16. Wandiga, S. O., Opondo, M., Olago, D., Githeko, A., Githui, F., Marshall, M., Downs. T., Opere, A., **Yanda, P.Z.**, Kangelawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L. Ogallo, L. Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2007): Vulnerability to climate induced highland malaria in east Africa. *In: N. Leary, C. Conde, A. Nyong and J. Pulhin, eds., Accepted for Publication in Dimensions of Vulnerability in a Changing Climate - Case Studies from the Developing World.*
17. **Yanda, P.Z.**, Wandiga, S. O., Kangelawe, R., Opondo, M., Olago, D., Githeko, A., Githui, F., Marshall, M., Downs. T., Opere, A., Kangelawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L. Ogallo, L. Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2007): Adaptation to Climate Change - Induced Malaria and Cholera in the Lake Victoria Region. *Accepted for Publication as a Chapter in the AIACC Adaptation Book.*
18. Boko, M., I. Niang, A. Nyong, C. Vogel, A. Githeko, M. Medany, B. Osman-Elasha, R. Tabo and **P. Yanda** (2007): **Africa. Climate Change 2007: Impacts, Adaptation and Vulnerability.** *Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge.
19. Holmgren, K., Börjeson, L., Dahlberg, A., Muzuka, A., Norström, E., Öberg, H., Risberg, J., Ryner, M., Siteo, S., Westerberg, L.O., Widgren, M., **Yanda, P.**, (2009): "The vulnerable continent". Historical perspectives on Africa's climate, environment and societies. SIDA/Uppsala University, book series. Popular Science: 45; 585-596pp.
20. Yanda, P.Z. (2009): Drying of Lake Jipe: Is it a Climatic and or Human induced Phenomenon. In: (Prabha Shastri Ranade, ed.); Chapter 12; **Lakes: Conservation and Management**

21. Hamerlynck, O., Duvail, S., Hoag, H., **Yanda P.**, & Paul J. (2010): The Large-Scale Irrigation Potential of the Lower Rufiji Floodplain: Reality or Persistent Myth? **In:** Bernard Calas, B. & Martinon, C.A.M (Eds.): Shared Waters Shared Opportunities: Hydropolitics in East Africa.
22. **Yanda, P.Z.**, T. Yatich, W.O. Ochola and N. Ngece (2010): Natural Resource Management in the Context of Climate Change. **In:** Ochola, W. O., Pascal C. Bekelo, S. I. (Eds): Managing Natural Resources for Development in Africa – A Resource Book; pp. 263 – 331. IIR.
23. **Yanda P. Z.** & Mubaya C.P. (2011): Managing a Changing Climate in Africa – *Local Level Vulnerabilities and Adaptation Experiences*. **Mukuki na Nyota**, Dar Es Salaam. 190pp.
24. Bhattacharjee, R., Ntare, B. R., Otoo, E. and **Yanda, P. Z.** (2011): Regional Impacts of Climate Change: Africa, **In** **Crop Adaptation to Climate Change** (eds S. S. Yadav, R. J. Redden, J. L. Hatfield, H. Lotze-Campen and A. E. Hall), Wiley-Blackwell, Oxford, UK. doi: 10.1002/9780470960929.**Chapter 6**.
25. Francis, J., Semesi, S., Ruppel, O., C., Zakieldean, S. A., Githeko, A. K., Ngana, F., **Yanda, P., Z.** (2011): Impact of Climate Change on Ecosystems, Key Sectors and Implications for Sustainable Development in Africa. **In: Addressing Climate Change Challenges in Africa: A Practical Guide Towards Sustainable Development. (Chapter 3). pp. 21 -51; AMCEN.**
26. Gwary, D., Nogoye, T., Zakieldean, S. A., Ngana, **Yanda, P., Z.**, Ojoo–Massawa, E., Githeko, A. K., Ruppel, O., Ngana, T., Semesi, S., Francis, J. (2011): adapting to Climate Change in Africa (**Chapter 4**); **In: Addressing Climate Change Challenges in Africa: A Practical Guide Towards Sustainable Development. pp. 52 – 83; AMCEN.**
27. Ojoo–Massawa, Balgis, O., Githeko, A. K., Ruppel, O., **Yanda, P., Z.**, Njenga, C. (2011): Adapting to Climate Change in Africa. Opportunities for Africa to Participate and Benefit from Investment in Adaptation for Sustainable Development. (**Chapter 6**) . **In: Addressing Climate Change Challenges in Africa: A Practical Guide Towards Sustainable Development. pp. 102 – 126; AMCEN.**
28. Thomas E. Downing , T., E., **Yanda, P. Z.**, Bubu P. J., Ojjo-Massawa, E., Fadhi, F., B. (2011): Financing Climate Change in Africa (**Chapter 7**): **In: In: Addressing Climate Change Challenges in Africa: A Practical Guide Towards Sustainable Development. pp. 127 – 169; AMCEN.**
29. O’Brien, K., M. Pelling, A. Patwardhan, S. Hallegatte, A. Maskrey, T. Oki, U. Oswald-Spring, T. Wilbanks, and **P.Z. Yanda** (2013): Toward a sustainable and resilient future. **In:** Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation [Field, C.B., V. Barros, T.F. Stocker, D. Qin, D.J. Dokken, K.L. Ebi, M.D. Mastrandrea, K.J. Mach, G.-K. Plattner, S.K. Allen, M. Tignor, and P.M. Midgley (eds.)]. A Special Report of Working Groups I and II of the Intergovernmental Panel on Climate Change (IPCC). Cambridge University Press, Cambridge, UK, and New York, NY, USA, pp. 437-486.

C. Research Papers/Reports

1. Mwalyosi, R.B.B. and **Yanda, P.Z.** (1989): Water Potentials in the Lake Manyara Catchment Basin. *I.R.A., Research Paper No. 20*. July, 1989. 36p.
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Language

<i>Language</i>	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent

Certification

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience



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