

© Copyright by Jerzy Gilarowski 2018

Reviewers:

*Prof. Izabella Łęcka*  
*Prof. R.Y.M. Kangalawe*

Proofreading by

*Iwona Handzelewicz*

Cover design by

*Grzegorz Sztandera*

ISBN 978-83-7401-645-2

Printed in Poland  
WDR, Włocławek

## CONTENTS

Introduction – *Jerzy Gilarowski* ..... 7

### Part I

#### **COPING STRATEGIES TOWARDS FOOD INSECURITY**

##### **Chapter 1**

EMILIANA A. ASSENGA, KIM A. KAYUNZE

Vulnerability to and coping strategies against food insecurity  
in Chamwino District, Tanzania ..... 19

##### **Chapter 2**

EVARIST FUNDISHA, JERZY GILAROWSKI

Role of off-farm livelihood diversification on climate change  
and variability adaptation in Rombo District, Tanzania ..... 53

##### **Chapter 3**

JOHN MSINDE, JUSTIN K. URASSA, IBEN NATHAN

Off-farm employment response to Idiosyncratic Shocks  
to crop income in Kilombero Valley, Tanzania ..... 67

##### **Chapter 4**

HELENA E. MYEYA, DANIELSON R. KISANGA

Challenges encountered by smallholder farmers  
in adapting to adverse effects of climate change  
in semi-arid areas of Central Tanzania ..... 103

### Part II

#### **FOOD PRODUCTION AND STORAGE**

##### **Chapter 5**

ASNATH ALBERTO MALEKELA, AGNES M.S. NYOMORA

Dynamics of food production and their distribution in urban areas.  
A case of Dar es Salaam city, Tanzania ..... 131

<b>Chapter 6</b>	
EMILIA K. BAMWENDA, GRATIAN R. BAMWENDA	
Identifying agro-value adding sectors that may catalyze accelerated rural industry development in Tanzania .....	149
<b>Chapter 7</b>	
ELIEZA PAUL MILONGA	
Customized hermetic bag (CHB) for safe grain storage in Tanzania .....	177
<b>Part III</b>	
<b>NATURAL RESOURCES, INVESTMENT AND DEVELOPMENT</b>	
<b>Chapter 8</b>	
KONRAD CZERNICHOWSKI	
The investment environment in the East African Community ...	187
<b>Chapter 9</b>	
RICHARD R. MWAIPUNGU, LOLA Y. SELLE	
Challenges in management and deployment of East African region natural capital for sustainable economic development of its citizens. Tanzania case study .....	205
<b>Chapter 10</b>	
JERZY GILAROWSKI	
TAZARA and tourism development in the Southern Circuit ....	219
<b>Chapter 11</b>	
CHAKUPEWA JOSEPH, EVARISTO HAULLE	
The influence of tourism on the growth of entrepreneurship in Southern Circuit of Tanzania. Challenges and the way forward .....	235
<b>Chapter 12</b>	
J.L. GUDAGA, S.J. KABOTE, A.K.P.R. TARIMO, D.B. MOSHA	
Groundwater situation in Tanzania. Experiences from Mbarali District in Mbeya Region .....	263

## INTRODUCTION

I should start this introduction with an explanation – what does East Africa mean? Which countries belong to it? There is no simple answer to this question because different sources give different answers. For example, in The United Nations Statistics Division scheme of geographic regions, East Africa encompasses 20 countries, from Egypt in the North, to Mozambique in the South, and State-islands located in the Western part of Indian Ocean<sup>1</sup>. Encyclopedia Britannica defines Eastern Africa as two traditionally recognized regions: East Africa, made up of only Kenya, Tanzania, and Uganda; and Horn of Africa, made up of Somalia, Djibouti, Eritrea, and Ethiopia<sup>2</sup>. In this book, however, East Africa is identified, with some small exceptions, as East African Community (EAC). EAC consists at present of 6 countries, but until 2007, its members were only Kenya, Tanzania and Uganda. In 2007 Rwanda and Burundi joined, and in 2016 South Sudan. The next member will be, probably, Somalia, which applied for entry to the organization in 2012.

East African Community is the fastest-growing region in Sub-Saharan Africa. Within the last decade, its average GDP reached nearly 6%. The leaders are Kenya and Tanzania, with GDP per capita 3.4 and 3.1 thousand dollars respectively. However, it is still

<sup>1</sup> United Nations Statistics Division-Standard Country and Area Codes Classifications (M49), un.org.

<sup>2</sup> <https://www.britannica.com/place/eastern-Africa>.