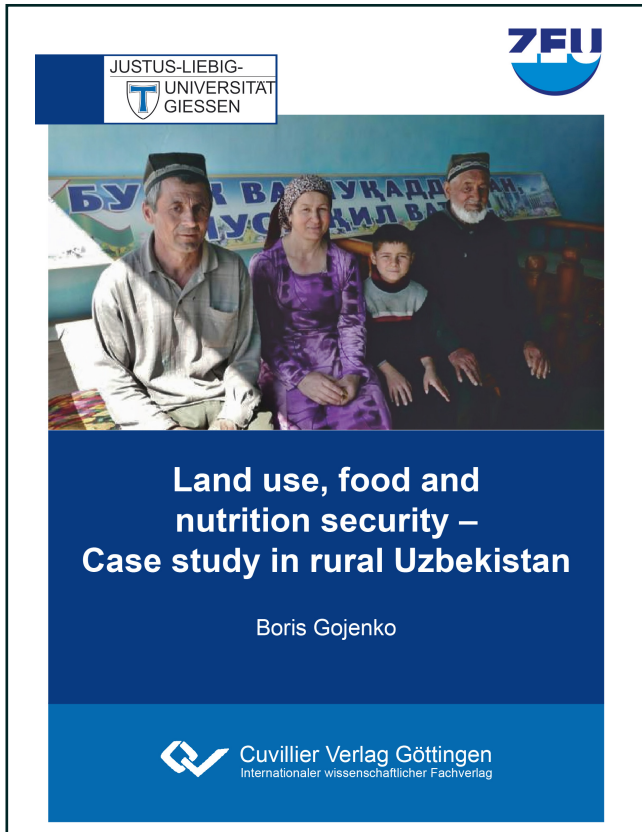




Boris Gojenko (Autor)
Land use, food and nutrition security
Case study in rural Uzbekistan



<https://cuvillier.de/de/shop/publications/6843>

Copyright:
Cuvillier Verlag, Inhaberin Annette Jentsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen,
Germany
Telefon: +49 (0)551 54724-0, E-Mail: info@cuvillier.de, Website: <https://cuvillier.de>



TABLE OF CONTENTS

LIST OF TABLES	xi
LIST OF FIGURES.....	xiii
LIST OF ACRONYMS AND ABBREVIATIONS.....	xv
1. INTRODUCTION	1
1.1 Background of the study	1
1.2 Problem statement.....	2
1.3 Study objectives.....	3
1.4 Methodological approach.....	3
1.5 Organization of the study	4
2. THEORETICAL APPROACHES FOR FOOD AND NUTRITION SECURITY.....	7
2.1 Evolution, concepts and definitions of food and nutrition security	7
2.2 Dimensions and characteristics of food and nutrition security.....	9
2.2.1 Categorical and temporal dimensions of food and nutrition security	9
2.2.2 Socio-organizational dimensions of food and nutrition security.....	12
2.2.3 Managerial dimensions of food and nutrition security	12
2.3 Chronic and transitory food insecurity and linkages between them	16
2.4 Causes of food and nutrition insecurity	17
2.4.1 The conceptual framework for food security	17
2.4.2 Causes of food and nutrition insecurity in developing countries.....	20
2.5 Hunger and malnourishment as consequences of food and nutrition insecurity ..	22
2.6 Coping strategies against food insecurity.....	24
2.6.1 Definitions of coping strategies	24
2.6.2 Coping strategies against food insecurity in developing countries	25
2.7 Summary.....	26
3. LITERATURE REVIEW AND JUSTIFICATION OF STUDY HYPOTHESES.....	27
3.1 Secondary data sources	27
3.2 Factors influencing food and nutrition security in developing countries	28
3.3 Factors influencing food and nutrition security in Uzbekistan.....	30



3.4 Study hypotheses.....	31
3.5 Summary.....	32
4. LAND USE, FOOD AND NUTRITION SITUATION IN UZBEKISTAN	33
4.1 General overview of Uzbekistan.....	33
4.1.1 Macroeconomic indicators.....	33
4.1.2 Labor migration	35
4.1.3 Agriculture and agricultural production	36
4.2 Agricultural and food policy reforms in Uzbekistan.....	38
4.2.1 Agricultural reforms with regard to estate category	38
4.2.2 Food policy reforms.....	40
4.3 Food and nutrition situation in Uzbekistan.....	44
4.3.1 Food availability.....	44
4.3.2 Food access.....	47
4.3.3 Geographic distribution of food insecurity	50
4.4 Food and nutrition situation in study regions.....	51
4.4.1 General overview of study regions	51
4.4.2 Food and nutrition situation in Markhamat and Denau regions	55
4.5 Summary.....	57
5. METHODOLOGY, DATA COLLECTION AND PROCESSING.....	59
5.1 Study design and sampling design.....	59
5.2 Primary data collection – the field study.....	60
5.2.1 Structured household questionnaire.....	61
5.2.2 The household food security survey module (HFSSM)	62
5.2.3 Food list recall	63
5.2.4 Food consumption score (FCS).....	63
5.3 Data processing	65
5.4 Empirical data analysis.....	66
5.4.1 Univariate and bivariate analyses.....	66
5.4.2 Multivariate analysis	67
5.5 Summary.....	69



6. DESCRIPTIVE FINDINGS OF THE FIELD STUDY	71
6.1 Socio-demographic characteristics of farm households.....	71
6.1.1 Household composition.....	71
6.1.2 Level of education of the household head.....	73
6.2 Production on homestead plot	74
6.2.1 Size of homestead plot.....	75
6.2.2 Number and kind of crops cultivated on homestead plot.....	75
6.3 Production on farmland	77
6.3.1 Size of farmland	77
6.3.2 Crops cultivated on farmland	78
6.3.3 Production strategies	79
6.4 Livestock keeping	80
6.5 Household income	81
6.5.1 Non-farm income.....	82
6.5.2 Farm income	82
6.5.3 Scales for households' level of income	82
6.6 Food security and food consumption	85
6.6.1 Food security status	85
6.6.2 Food consumption status	87
6.7 Summary.....	88
7. FACTORS INFLUENCING FOOD SECURITY IN RURAL UZBEKISTAN	91
7.1 Factors influencing food security.....	91
7.1.1 Food crops production on the homestead plot	91
7.1.2 Education of the household head and food security status	94
7.1.3 Production strategies and food security	95
7.2 Level of income and income influencing factors.....	96
7.2.1 Household level of income and food security status	96
7.2.2 Income influencing factors	98
7.2.3 Income spent on food.....	100
7.3 Food consumption and food preservation	101
7.4 Summary.....	103
7.5 Validation of hypotheses	104



8. FOOD SECURITY AND FOOD CONSUMPTION MODELLING	107
8.1 Logistic regression model for food security	107
8.2 Logistic regression model for food consumption	111
8.3 Summary	114
9. DISCUSSION	115
9.1 Discussion of results with local and international research in Uzbekistan	115
9.2 Discussion of results with international research.....	116
9.3 Limitation of the study	119
10. CONCLUSIONS AND RECOMMENDATIONS	121
10.1 Conclusions of the study	121
10.2 Recommendations	121
10.2.1 Physical availability of food at the national level.....	122
10.2.2 Economic and physical access to food at the household level.....	123
REFERENCES	125
APPENDICES	135