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Submitted to the Institute of Graduate Studies and Research in partial fulfillment of the requirements for the degree of Master of Science in Chemistry

Eastern Mediterranean University
Gazimağusa, North Cyprus
February 2019

Defense Date ➔ 2.5cm or 0.98 inch
Approval of the Institute of Graduate Studies and Research

Prof. Dr. Ali Hakan Ulusoy
Director

I certify that this thesis satisfies the requirements as a thesis for the degree of Master of Science in Chemistry.

Prof. Dr. Xxxxx Xxxxxx
Chair, Department of Chemistry

We certify that we have read this thesis and that in our opinion it is fully adequate in scope and quality as a thesis for the degree of Master of Science in Chemistry.

Prof. Dr. Xxxxx Xxxxxx
Supervisor

Exoring Committee

1. Prof. Dr. Xxxxx Xxxxxx
2. Assoc. Prof. Dr. Xxxxx Xxxxxx
3. Asst. Prof. Dr. Xxxxx Xxxxxx

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ABSTRACT

Privatization is the process of transferring government properties (public utilities) from the public sector to the private sector. There should be rules and regulations, which privatizations have to follow to get those resources. There are both positive and negative externalities from the privatization of water systems. Provision of the basic water services is a government’s responsibility in many developing countries around the world. Whether government is unable to supply the water or it lacks the necessary authority over the natural sources of water, the government has to make arrangements for a reliable water provision.

This thesis deals with the privatization of water system and its impacts on the stakeholders. How does privatization affect the poor people? The secondary data used for this study is derived from three cases: Metro Manila Waterworks and Sewerage System, Philippines, Espirito Santo Water System, Brazil and Water and Sewerage Utility, Panama. A key priority in designing urban water policy and institutional reforms with the appropriate structure of water charges is to ensure long-term sustainability of supply. The recommendations which are developed in this thesis are that the governments have to be very precise in the specification of the terms and conditions of the privatization, if it is going to achieve its goals.

Keywords: stakeholder analysis, economic analysis, financial analysis.
ÖZ

Devletin vermekle yükümlü olduğu hizmetleri özel sektöre devretmesine özelleştirme denir. Özelleştirmenin gerçekleşebilmesi için kurallar ve düzenlemeler vardır. Özelleştirmede birçok pozitif ve negatif dış etken vardır. Gelişmekte olan ülkelerde su dağıtım sistemi devletlerin sorumluluğu altındadır. Devletler yeterli ve verimli su dağıtımını yapamadıkları için özelleştirme yolunu seçmektedirler.

Anahtar Kelimeler: stakeholder analizi, ekonomik analiz, finansal analiz
DEDICATION (Optional)

Title is not needed for dedication. Font size and type is left free and heading should be kept white color.

To My Family
ACKNOWLEDGMENT

I would like to record my gratitude to Assoc. Prof. Dr. Osman M Karatepe for his supervision, advice, and guidance from the very early stage of this thesis as well as giving me extraordinary experiences throughout the work. Above all and the most needed, he provided me constant encouragement and support in various ways. His ideas, experiences, and passions has truly inspire and enrich my growth as a student. I am indebted to him more than he knows.

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<tr>
<td>$M_w$</td>
<td>Molecular Weight</td>
</tr>
<tr>
<td>$\Pi$</td>
<td>Number of Moles</td>
</tr>
<tr>
<td>NVI</td>
<td>N-Vinylimidazole</td>
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This list should be ordered alphabetically or by order of appearance. The title should read as "LIST OF SYMBOLS" or "LIST OF ABBREVIATIONS" if the list contains only symbols or only abbreviations respectively. In case both symbols and abbreviations are available the title should read as "LIST OF SYMBOLS AND ABBREVIATIONS"
INTRODUCTION

1.1 Dynamic Energy Flow

Much theoretical and experimental effort has been devoted recently to study the dynamics of energy flow, following the initial excitation of a surface molecule.

Most of these studies deal with the processes of dissociative adsorption and desorption of small molecules chemisorbed on metal surfaces; these processes are governed by formation and rupture of covalent adsorbate-metal chemical bonds. The processes of physical adsorption and desorption on non-metallic surfaces have received less attention.

1.1.1 Nonspecific Van Waals Forces

The essential feature of the physisorption systems is that the attractive forces between the adsorbate and the surface are relatively nonspecific Van Waals forces.
Figure 1: Sketch of Hamilton Avenue School

Table 1: General evaluation measurement

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Chapter 2

INTRODUCTION (Style 2)

2.1 Dynamic Energy Flow

Much theoretical and experimental effort has been devoted recently to study the dynamics of energy flow, following the initial excitation of a surface molecule.

Most of these studies deal with the processes of dissociative adsorption and desorption of small molecules chemisorbed on metal surfaces; these processes are governed by formation and rupture of covalent adsorbate-metal chemical bonds. The processes of physical adsorption and desorption on non-metallic surfaces have received less attention.

2.1.1 Nonspecific Van Waals Forces

The essential feature of the physisorption systems is that the attractive forces between the adsorbate and the surface are relatively nonspecific Van Waals forces.

the interconnectedness of all living systems in a single living planetary system, the biosphere; the importance of natural cycles (of water, nutrients and other chemicals, materials, waste); and the passage of energy through trophic levels of living systems [1].
REFERENCES


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APPENDIX OR APPENDICES
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