

The theoretical characteristics of logistics and logistics systems are numerous, with specific characteristics, different implications and missions. Logistics activities in the wine industry are very important. Macedonia is a large exporter of wine. In terms of export value of agricultural products in Macedonia, wine is at the first place in terms of exports of alcoholic beverages, and at the second place immediately after the tobacco. The winemaking in Macedonia is continuously increasing, especially the last ten years. Besides the increased production, a special attention is paid to the improvement of the quality of produced wine, as well as improving conditions for growing vines, thereby obtaining quality grapes. Several factors affect this positive trend and one of them is educated staffs of vine growers and oenologists which are involved in the process. Thus, quinary logistics takes an important place in the development of vine and wine production.



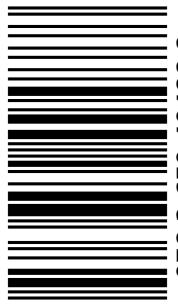
Violeta Ivanova Petropulos
Drasko Atanasoski

Wine industry logistics in Republic of Macedonia

Wine logistics

Violeta Ivanova Petropulos

Dr. Violeta Ivanova Petropulos obtained her PhD degree in Wine Chemistry. Dr. Drasko Atanasoski obtained his PhD degree in Customs and Logistics. Currently, both authors are working as Assistant Professors at the University "Goce Delcev", Stip, Republic of Macedonia.



LAP LAMBERT
Academic Publishing

978-3-659-49488-8

**Violeta Ivanova Petropulos
Drasko Atanasoski**

Wine industry logistics in Republic of Macedonia

**Violeta Ivanova Petropulos
Drasko Atanasoski**

Wine industry logistics in Republic of Macedonia

Wine logistics

LAP LAMBERT Academic Publishing

Impressum / Imprint

Bibliografische Information der Deutschen Nationalbibliothek: Die Deutsche Nationalbibliothek verzeichnet diese Publikation in der Deutschen Nationalbibliografie; detaillierte bibliografische Daten sind im Internet über <http://dnb.d-nb.de> abrufbar.

Alle in diesem Buch genannten Marken und Produktnamen unterliegen warenzeichen-, marken- oder patentrechtlichem Schutz bzw. sind Warenzeichen oder eingetragene Warenzeichen der jeweiligen Inhaber. Die Wiedergabe von Marken, Produktnamen, Gebrauchsnamen, Handelsnamen, Warenbezeichnungen u.s.w. in diesem Werk berechtigt auch ohne besondere Kennzeichnung nicht zu der Annahme, dass solche Namen im Sinne der Warenzeichen- und Markenschutzgesetzgebung als frei zu betrachten wären und daher von jedermann benutzt werden dürften.

Bibliographic information published by the Deutsche Nationalbibliothek: The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

Any brand names and product names mentioned in this book are subject to trademark, brand or patent protection and are trademarks or registered trademarks of their respective holders. The use of brand names, product names, common names, trade names, product descriptions etc. even without a particular marking in this works is in no way to be construed to mean that such names may be regarded as unrestricted in respect of trademark and brand protection legislation and could thus be used by anyone.

Coverbild / Cover image: www.ingimage.com

Verlag / Publisher:

LAP LAMBERT Academic Publishing
ist ein Imprint der / is a trademark of
OmniScriptum GmbH & Co. KG
Heinrich-Böcking-Str. 6-8, 66121 Saarbrücken, Deutschland / Germany
Email: info@lap-publishing.com

Herstellung: siehe letzte Seite /

Printed at: see last page

ISBN: 978-3-659-49488-8

Copyright © 2013 OmniScriptum GmbH & Co. KG

Alle Rechte vorbehalten. / All rights reserved. Saarbrücken 2013

Violeta Ivanova Petropolis

Drasko Atanasoski

**WINE INDUSTRY LOGISTICS IN REPUBLIC OF
MACEDONIA**

CONTENTS

1. INTRODUCTION IN LOGISTICS	1
2. BASIC AIMS OF LOGISTICS WITHIN A COMPANY	3
3. INCREASING LEVEL OF LOGISTICS SERVICES	5
4. TRENDS IN PRODUCTION LOGISTICS	7
5. CONCEPT AND STRUCTURE OF ECONOMICAL- SECTOR LOGISTICS SYSTEMS	9
5.1. Primary Logistics System	9
5.2. Secondary Logistics System	13
5.3. Tertiary Logistics System	16
5.4. Quaternary Logistics System	20
5.5. Quinary Logistics System	22
6. LOGISTICS IN WINE INDUSTRY	26
6.1. Preparation of logistic strategy for winery	28
7. WINE PRODUCTION IN REPUBLIC OF MACEDONIA	29
7.1. Historical review of wine production in Republic of Macedonia	29
8. CHEMICAL COMPOSITION OF WINE AND METHODS FOR ITS DETERMINATION	32
9. INFLUENCE OF THE CHEMICAL RESEARCH OVER QUATERNARY LOGISTICS AND OVER THE DEVELOPMENT OF WINE PRODUCTION IN REPUBLIC OF MACEDONIA	37
LITERATURE	41