

Contents

PREFACE	ix
EDITORS	xi
CONTRIBUTORS	xv
INTRODUCTION	xix
CHAPTER 1 DAILY PLANNING FOR THREE-ECHELON LOGISTICS ASSOCIATED WITH INVENTORY MANAGEMENT UNDER DEMAND DEVIATION	1
YOSHIAKI SHIMIZU	
CHAPTER 2 NEW LOCAL SEARCH ALGORITHM FOR VEHICLE ROUTING PROBLEM WITH SIMULTANEOUS PICKUP AND DELIVERY	31
MUSTAFA AVCI AND ŞEYDA TOPALOĞLU	
CHAPTER 3 OPTIMAL FENCING IN AIRLINE INDUSTRY WITH DEMAND LEAKAGE	53
SYED ASIF RAZA AND MIHAELA TURIAC	
CHAPTER 4 BI-OBJECTIVE BERTH-CRANE ALLOCATION PROBLEM IN CONTAINER TERMINALS	83
DENIZ OZDEMIR AND EVRIM URSAVAS	
CHAPTER 5 ROUTE SELECTION PROBLEM IN THE ARCTIC REGION FOR THE GLOBAL LOGISTICS INDUSTRY	105
BEKIR SAHIN	

CHAPTER 6	ROUTE DESIGN IN A PHARMACEUTICAL WAREHOUSE VIA MATHEMATICAL PROGRAMMING	133
	ZEYNEL SIRMA, AYSUN AKIŞ, ZEYNEP YALÇIN, AND FADIME ÜNEY-YÜKSEKTEPE	
CHAPTER 7	INTEGRATED DECISION MODEL FOR MEDICAL SUPPLIER EVALUATION	145
	MEHTAP DURSUN, ZEYNEP SENER, AND E. ERTUGRUL KARSAK	
CHAPTER 8	ARC SELECTION AND ROUTING FOR RESTORATION OF NETWORK CONNECTIVITY AFTER A DISASTER	165
	AYŞE NUR ASALY AND F. SIBEL SALMAN	
CHAPTER 9	FEASIBILITY STUDY OF SHUTTLE SERVICES TO REDUCE BUS CONGESTION IN DOWNTOWN IZMIR	195
	ERDİNÇ ÖNER, MAHMUT ALİ GÖKÇE, HANDE ÇAKIN, AYLİN ÇALIŞKAN, EZGİ KINACI, GÜRKAN MERCAN, EZEL İLKHAZ, AND BERİL SÖZER	
CHAPTER 10	RELOCATION OF THE POWER TRANSMISSION AND DISTRIBUTION DIVISION OF A MULTINATIONAL ELECTRONICS AND ELECTRICAL ENGINEERING COMPANY	213
	MESUT KUMRU	
CHAPTER 11	LOCATION PROBLEMS WITH DEMAND REGIONS	237
	DERYA DİNLER, MUSTAFA KEMAL TURAL, AND CEM İYİGÜN	
CHAPTER 12	A NEW APPROACH FOR SYNCHRONIZING PRODUCTION AND DISTRIBUTION SCHEDULING: CASE STUDY	253
	E. GHORBANI-TOTKALEH, M. AMIN NAYERI, AND M. SHEIKH SAJADIEH	
CHAPTER 13	AN INTEGRATED REPLENISHMENT AND TRANSPORTATION MODEL: COMPUTATIONAL PERFORMANCE ASSESSMENT	271
	RAMEZ KIAN, EMRE BERK, AND ÜLKÜ GÜRLER	
AUTHOR INDEX		291
SUBJECT INDEX		301