

CONTENT

CHAPTER 1	QUANTUM CHEMISTRY OF CO CHEMISORPTION AND ACTIVATION	1
CHAPTER 2	INTERACTION OF CO WITH SINGLE CRYSTAL METAL SURFACES	37
CHAPTER 3	CATALYTIC ACTIVATION OF CO OVER SINGLE CRYSTALS	87
CHAPTER 4	SELECTIVITY IN THE SYNGAS REACTIONS: THE ROLE OF SUPPORTS AND PROMOTERS IN THE ACTIVATION OF CO AND IN THE STABILIZATION OF INTERMEDIATES	117
CHAPTER 5	RECENT DEVELOPMENTS IN FISCHER-TROPSCH CATALYSIS	158
CHAPTER 6	BIMETALLIC CATALYSTS FOR CO ACTIVATION	225
CHAPTER 7	CLASSICAL AND NON-CLASSICAL ROUTE FOR ALCOHOL SYNTHESIS	265
CHAPTER 8	EFFECT OF HYDROGEN IN CONTROLLING CO HYDROGENATION	350
CHAPTER 9	CO ACTIVATION BY HOMOGENEOUS CATALYSTS	381
CHAPTER 10	INDUSTRIAL APPLICATION OF CO CHEMISTRY FOR THE PRODUCTION OF SPECIALTY CHEMICALS	430
CHAPTER 11	THE CATALYZED HYDROGENATION OF CARBON MONOXIDE: AN OVERVIEW AND FUTURE DIRECTIONS	462
INDEX		471