

# Contents

<i>Foreword</i>	ix
<i>Acknowledgement</i>	xi
<i>Figures</i>	xiii
<i>Glossary</i>	xv
<i>Prologue</i>	xix
<b>1. Critical Realism</b>	1
1.1 Critical Realism: A Brief Historical Overview	1
1.1.1 Transcendental Realism	2
1.1.2 Critical Naturalism	4
1.2 Critical Realism in Science	5
1.3 Critical Realism in Science-Theology Dialogue	9
Conclusion	20
<b>2. What is Critical about Critical Realism in Science - Theology Dialogue?</b>	23
2.1 Critical Realism in Science-Theology Dialogue: Barbour and Peacocke	25
2.2 Critical Realism in Science Theology Dialogue: Nancey Murphy	34
2.3 Is Critical Realism Modern or Postmodern?	43
Conclusion	52

<b>3. Fuzzy Model of Critical Realism</b>	53
3.1 Fuzzy Logic: Fuzzy Sets and Fuzzy Numbers	53
3.2 Fuzzy Model of Critical Realism	62
3.3 Science-Theology Dialogue within a Fuzzy Paradigm	70
Conclusion	74
<b>4. Applications</b>	75
4.1 A Fuzzy Logical Framework for Time and Eternity	75
4.1.1 A Fuzzy Logical Framework for Time in Eternity	77
4.1.2 A Fuzzy Logical Framework for Eternity in Time	80
4.2 Fuzzy Logical Explanation of the Trinity	84
4.2.1 Basil of Caesarea's Explanation of the Trinity	85
4.2.2 Gregory of Nyssa's Explanation of the Trinity	88
4.2.3 Fuzzy Logical Explanation of the Trinity	90
4.3 Fuzzy Logical Explanation of Religions' Claim to Uniqueness	97
4.3.1 Raimon Panikkar's <i>Cosmotheandric</i> Principle	98
4.3.2 Paul F. Knitter's Four Models	99
4.3.3 Fuzzy Logical Explanation of Truth	100
Conclusion	105
<b>5. Fuzzy Thinking - Limitations and Possibilities</b>	107
5.1 Fuzzy Thinking beyond Binary and Relativist Thinking	107
5.2 Fuzzy Thinking beyond Probability Thinking	109
5.3 Fuzzy Logic: Limitations and Possibilities	110
5.4 Fuzzy Model of Critical Realism: Limitations and Possibilities	114
<i>Epilogue</i>	119
<i>Appendix</i>	123
<i>Bibliography</i>	127