## **Contents**

I.		RODUCTION: THE PROBLEM OF NARRATING EVOLUTION AND THE STEMIC VALUE OF LITERATURE		
1.		vards a 'Non-Consilient' Approach to the Study of Evolution and rative: Methodological Considerations and Literature Overview 1		
2.	Aim	as and Outline of this Study		
II.		RRATIVIZING EVOLUTION: AGENCY-ORIENTED AND TURAL-NARRATOLOGICAL APPROACHES		
1.	The Human Use of Narrative as a Cognitive Tool: Introducing an Agency-Based Approach to Narrative			
2.	From 'Mere Behaviour' to 'Intentional Action': Constructing Agency through Narrativization, Emplotment and Worldmaking			
3.		Agency that Never Was: On the Limits of Narrative in Representing lution and Other 'Unnarratable' Phenomena of the Living		
4.	Studying Evolutionary Narratives: The Example of Neo-Darwinism			
	4.1	Searching for the Agents of Evolutionary Change: The 'Unit of Selection' Debate and the Construction of the 'Gene's Point of View' in Neo-Darwinist Narratives		
	4.2	Narrativizing Evolution through Adaptive Tales: On the Use of Narrative as a Heuristic in Neo-Darwinist Theory and the Problem of 'Just-so Stories'		
5.		On the Cultural Embeddedness of Science: Modelling the Relationship between Evolutionary, Cultural and Literary Narratives		
	5.1	'Positivists' and 'Culturalists': Reconstructing the 'Two Cultures' within Evolutionary Theory and Beyond		
	5.2	Theorizing the Ideological Embeddedness of Evolutionary Narratives – a Cultural-Narratological Approach		
	5.3	Connecting Evolutionary Narratives and Literary Fiction: The 'Darwinian-Hobbesian Inter-Discourse' in Ian McEwan's Novel Saturday (2005)		
6.	The	'Evolution/Narrative Nexus': Summary of the Main Argument		



III.	LAYING BARE THE EPISTEMIC VALUE OF CONTEMPORARY NOVELS: INTRODUCING IAN MCEWAN'S ENDURING LOVE (1997) AND RICHARD POWERS' GENEROSITY: AN ENHANCEMENT (2009) AS PRIME EXAMPLES OF 'EPISTEMOLOGICAL FICTION'	135
1.	Key Narratological Concepts for the Analysis of Epistemological Fiction  1.1 Focalization and Point of View	143
	1.3 Narrative Time and 'Genome Time'	
2.	"Evolution has culled us all into [] efficiency": Enduring Love's 'Modern' Darwinist Joe Rose	157
3	Fictionalizing the 'Prisoner's Dilemma': Joe's Neo-Darwinist Narrative of the 'Rational Agent'	
4.	'Just-so Stories' Everywhere: Metanarrational Reflections on the Unreliability of Storytelling	172
5.	"[Y]our being right is not a simple matter": Objections to Joe's Neo-Darwinist 'Truth Discourse'	178
6.	When Latour Meets Darwin: Reflections on the Relationship between Knowledge and Survival in Powers' Novel <i>Generosity: An Enhancement</i>	183
7.	The 'Epistemic Value' and the 'Epistemological Potential' of McEwan's and Powers' Novels	193
IV.	NARRATING EVOLUTION FROM THE 'ANTS' POINT OF VIEW': EXPLORING THE POTENTIALS AND LIMITS OF SYMBOLIC REPRESENTATION IN E.O. WILSON'S <i>ANTHILL: A NOVEL</i> (2010) AND OTHER 'STORIES OF INSECTS'	196
1.	Key Concepts: Narrative Embedding and Narrative Framing	202
2.	"[T]he dice fell right time and again": Providing Propositional Knowledge about Evolution in the Mode of Telling	210
3.	Opening up a Bottom-Up View on Life: The Generation of Implicit Knowledge about Evolution through Formal Strategies	217
4.	The Conflicted Agencies of the Anthill: From the Pheromone to the Superorganism	223
5.	"Analogy is a slippery tool": A Comparison of <i>Anthill</i> and A.S. Byatt's Novella "Morpho Eugenia" (1992)	230
6.	From 'Epistemic Value' to 'Epistemological Critique' – Comparing the Politics of Representation in Wilson's and Byatt's Literary Narratives	243

V.	REFLECTIONS ON AGENCY AND THE LIMITS OF NARRATIVE THINKING IN MULTIMODAL NOVELS: REPRESENTING ECOSYSTEMS IN MICHAEL CRICHTON'S JURASSIC PARK (1990) AND MARK HADDON'S	
	THE CURIOUS INCIDENT OF THE DOG IN THE NIGHT-TIME (2003)	<b>4</b> 7
1.	Key Concept: Multimodality	53
2.	"Linearity is an artificial way of viewing the world":  Contesting the 'Narrative of Centralized Control' in Michael Crichton's  Novel Jurassic Park	57
3.	"Life finds a way": The Ambiguous Messages of Steven Spielberg's Filmic Remediations (1993, 1997) of Crichton's Novel and the Agency of 'Life Itself'	72
4.	"[O]beying really simple rules": Reflections on Complexity and the Limits of Narrative Thinking in <i>The Curious Incident of the Dog in the Night-Time</i> 28	80
5.	"I find people confusing": Deducing Evolutionary Functions of Narrative Thinking and Theory of Mind from the Representation of an Autistic Mind 29	91
6.	Meta-Cognitive Potentials of Multimodality in Foregrounding the Limits and Values of Narrative Thinking	99
VI.	CONCLUSION: RECONSIDERING THE EPISTEMIC VALUE OF CONTEMPORARY FICTION ENGAGING WITH EVOLUTIONARY THEORY	)2
VII.	REFERENCES	10
1.	Primary Literature	10
2.	Works Cited 31	10