Between Science And Literature An Introduction To Autopoetics

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This book looks together researchers with cognitive-scientific and literary backgrounds to present innovative research in all three variances on the possible interactions between literature and cognitive science. The tripartite structure of the volume reflects a more ambitious conception of what cognitive approaches to literature are and could be than is usually encountered, and thus aims both to move in and to advance the field. The first section corresponds to what most people think of as "cognitive poetics" or "cognitive literary studies": the study of literature by literary scholars drawing on cognitive-scientific methods, findings, and/or debates to produce innovative work. The second section, however, is less concerned with whether that literary scholars need only make use of cognitive science to study literature, but can also, in a reciprocally interdisciplinary manner, use a cognitively informed perspective on literature to offer benefits back to the cognitive sciences. Finally, the third section, "literature in cognitive science," showcases some of the ways in which literature can be a stimulating object of study and a fertile testing ground for theories and models, not only to literary scholars but also to cognitive scientists, who here engage with some key questions in cognitive literary studies with the benefit of their in-depth knowledge of both literatures.

Far Afield - Devin Griffiths - 2016-10-28

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Between Literature and Science - Wolf Lepenies - 1988-06-16

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Exchanges Between Literature and Science from the 1800s to the 2000s - Märcia Lemes - 2017

This collection of essays responds to the intense interest that the relations between the discourses of literature (and other cultural practices) and those of science have obtained throughout various fields of study. Spanning a period between the mid-nineteenth and the twenty-first century, the work collected here is firmly focused on the cultural significances of scientific discoveries and practices, and especially on the manifold representations of science and scientists in literature and the arts. Its four sections develop from an initial moment of delimiting indistinguishable of borders between literature and the sciences to the historical perception of an increasing divide between "the two cultures," to use C.P. Snow's influential expression, as well as calls for a form of convergence or "consilience" in Edward Wilson's words. The final section turns to the medical sciences, a porous scientific discipline in relation to the humanities, which suggests that convergence can already be found partially in specific areas. As such, this collabore and learning.

Cognitive Literary Science - Michael Burke - 2017

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human beings. A hermeneutical relationship between knower and known is suggested: creative interaction between reader and text. The reader's responses actualize a text's meaning; in like manner, scientists give their responses to reality by actualizing one of many possibilities. The hermeneutical ontology proposed in this book steers away from the rocks of realism and anti-realism.

Connecting Literature and Science - JAY A. LARBINGER - 2011-11-16
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Science, Literature, and a New Humanities - J. Gottschall - 2008-09-29
Literary studies are at a tipping point. There is broad agreement that the discipline is in “crisis” – that it is aimless, that its intellectual energy is spent, that all of the tools are bad, and that it be required to set things right. But there is little agreement on what those changes should be, and no one can predict which way things will ultimately tip. Literature, Science, and a New Humanities represents a bold new response to the crisis in academic literary studies. This book presents a total challenge to dominant paradigms of literary analysis and offers a sweeping critique of those paradigms, and sketches outlines of a new paradigm inspired by scientific theories, methods, and attitudes.

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Science, Literature and Rhetoric in Early Modern England - Peter Swirski - 2000
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The Palgrave Handbook of Twentieth and Twenty-First-Century Literature and Science - Neel Aboha - 2020-11-26
This handbook illustrates the evolution of literature and science, in collaboration and contestation, across the twentieth and twenty-first centuries. The essays it gathers question the popular characterization of the sciences as “antithetical” to the arts and humanities while also demonstrating the ways in which the confluence of literary and scientific approaches has inspired cultural analyses of colonialism, race, sex, labor, state formation, and environmental destruction. The broad scope of this collection explores the shifting relationship between the sciences and literature over the past two centuries, considering scientific and literary attempts in ways that encourage fruitful interdisciplinary investigations, innovative modes of knowledge production, and politically charged calls for social justice. Across the book’s 34 chapters the editors place the sciences and literature in dialogue with current debates on global health, genomics and biotechnology, environmental and energy sciences, behavior and psychology, physics, and computational and surveillance technologies.

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The Cambridge Companion to Literature and Science - Steven Meyer - 2018-05-03
In 1959, C. P. Snow lamented the presence of what he called the ‘two cultures’: the apparently unbridgeable chasm of understanding and knowledge between modern literature and modern science. In recent decades, scholars have worked diligently and often with great ingenuity to interrogate claims like Snow’s that represent twentieth- and twenty-first-century science and culture as radically alienated from each other. The Cambridge Companion to Literature and Science offers a roadmap to developments that have contributed to the demonstration and emergence of reciprocal connections between the two domains of inquiry. Weaving together theory and practice, this incisive volume presents over thirty essays by scholars from a variety of disciplinary backgrounds examining the contributions of such diverse writers as Shakespeare, Bacon, Emerson, Goethe, Behn, Pope, Newton, Hobbes, Milton, Cavendish, Boyle, and Behn to contemporary epistemological debates, these essays move us toward a better understanding of interactions between the sciences and the humanities during the seminal phase in the development of modern Western thought.

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Science, Literature and Exploration in the Romantic Era - Tim Fullwood - 2004-09-02
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Signs of Science - Dale, Pratt - 2001
Signs of Science: Signs, Literature, and Science Modernity since 1868 traces how Spanish culture represented scientific activity from the mid-nineteenth century onwards. The book investigates how the global perspective afforded by historical narrative allows for an understanding of the relationship between scientific and literary texts. An literary criticism it seeks to illuminate similarities and differences in how science and scientists were pictured; as cultural history it follows the course of scientific development in modern Germany; this collection presents 18 essays on emerging epistemologies regarding the transcendent nature of the Divine; the natural world; the body; sexuality; intellectual property; aesthetics; demons; and witches.

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The Poetics of Scientific Investigation in Seventeenth-Century England - Claire Preston - 2015-12-17
The writing of science in the period 1650-1700 is a multifaceted, complexly layered, and above all self-conscious literary project. The Poetics of Scientific Investigation in Seventeenth-Century England considers the literature of science writing - the rhetoric of discovery, the neologisms, its uses of irony, romance, and various other qualities of its language that are typical of scientific writing. In doing so, it foregrounds the central role of invention and discovery that is an important theme in the history of early modern science. The book is a study of the relationship between science writing and the literary institutions of its day. It interprets the literature of seventeenth-century science in the light of contemporary literary and cultural theory, and it also provides a perspective on the relationship between the sciences and the humanities in the late Renaissance and early modern period. The book argues that scientific writing was a part of a wider culture of discovery and that it contributed to the development of a new science of nature and to the transformation of the relationship between science and literature. The book also explores the ways in which the scientific and literary cultures of the period intersected and influenced each other. As a result, it provides a unique perspective on the history of science and the history of literature in the early modern period. The book is an essential resource for scholars of early modern literature, history of science, and cultural studies, and it will also be of interest to anyone interested in the history of the relationship between science and literature.
In 1920 an aspiring geneticist escapes into her studies as she grapples with her sexuality, but the world of science comes with its own troubles. In 1920, having
persuaded her resistant mother to send her to college, Kate Croft falls in love with science. Painfully rebuffed by a girl she longs for, and in flight from her own
confusing sexuality, Kate finds refuge in the calm rationality of biology: its vision of a deeply interconnected world, and the promise that the new field of genetics can
explain the way people are. But science, too, turns out to be marred by human weakness. Despite her hard work and extraordinary gifts, Kate struggles, facing
discrimination, competition, and scientific theft. At the same time, a love affair is threatened by Kate’s obsession with figuring out the meaning of the puzzling
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