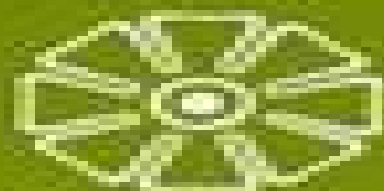


Philosophical issues in Aristotle's biology



Edited by Allan Gotthelf
& James G. Lennox

Philosophical Issues In Aristotles Biology

James G. Lennox



Philosophical Issues In Aristotles Biology:

Philosophical Issues in Aristotle's Biology Allan Gotthelf,1987-10-22 An overview of biology and philosophy is followed by three sections on individual issues definition and demonstration teleology and necessity in nature and metaphysical themes

Philosophical Issues in Aristotle's Biology Allan Gotthelf,James G. Lennox,1987 Aristotle s biological works constituting over 25% of his surviving corpus and for centuries largely unstudied by philosophically oriented scholars have been the subject of an increasing amount of attention of late This collection brings together some of the best work that has been done in this area with the aim of exhibiting the contribution that close study of these treatises can make to the understanding of Aristotle s philosophy The book is divided into four parts each with an introduction which places its essays in relation to each other and to the wider issues of the book as a whole The first part is an overview of the relationship of Aristotle s biology to his philosophy the other three each concentrate on a set of issues central to Aristotelian study definition and demonstration teleology and necessity in nature and metaph themes such as the unity of matter and form and the nature of substance

Aristotle's Philosophy of Biology James G. Lennox,2001 In addition to being one of the world s most influential philosophers Aristotle can also be credited with the creation of both the science of biology and the philosophy of biology He was the first thinker to treat the investigations of the living world as a distinct inquiry with its own special concepts and principles This book focuses on a seminal event in the history of biology Aristotle s delineation of a special branch of theoretical knowledge devoted to the systematic investigation of animals Aristotle approached the creation of zoology with the tools of subtle and systematic philosophies of nature and of science that were then carefully tailored to the investigation of animals The papers collected in this 2001 volume written by a pre eminent figure in the field of Aristotle s philosophy and biology examine Aristotle s approach to biological inquiry and explanation his concepts of matter form and kind and his teleology *Explanation and Teleology in Aristotle's Science of Nature* Mariska Leunissen,2010-08-26 In Aristotle s teleological view of the world natural things come to be and are present for the sake of some function or end for example wings are present in birds for the sake of flying Whereas much of recent scholarship has focused on uncovering the meta physical underpinnings of Aristotle s teleology and its contrasts with his notions of chance and necessity this book examines Aristotle s use of the theory of natural teleology in producing explanations of natural phenomena Close analyses of Aristotle s natural treatises and his Posterior Analytics show what methods are used for the discovery of functions or ends that figure in teleological explanations how these explanations are structured and how well they work in making sense of phenomena The book will be valuable for all who are interested in Aristotle s natural science his philosophy of science and his biology **A Companion to Ancient Philosophy** Mary Louise Gill,Pierre Pellegrin,2009-01-07 A Companion to Ancient Philosophy provides a comprehensive and current overview of the history of ancient Greek and Roman philosophy from its origins until late antiquity Comprises an extensive collection of original essays featuring contributions from both rising stars and senior

scholars of ancient philosophy Integrates analytic and continental traditions Explores the development of various disciplines such as mathematics logic grammar physics and medicine in relation to ancient philosophy Includes an illuminating introduction bibliography chronology maps and an index *The Oxford Handbook of Aristotle* Christopher Shields,2012-08-16 This book reflects the lively international character of Aristotelian studies drawing contributors from Europe North America and Asia It also reflects the broad range of activity Aristotelian studies comprise today informed by cutting edge philological research and focusing as its core activity on textual exegesis and philosophical criticism

Aristotle's ›Generation of Animals‹ Sabine Föllinger,2022-06-21 Aristotle s work *On Generation of Animals* is fascinating By integrating empirical facts into contexts of justification and by explaining reproduction in the framework of his general theory Aristotle wrote a biological masterpiece At the same time it raises many issues because due to the difficulty of the subject under investigation for example the egg cell had not yet been discovered the theory is complex and often speculative The contributions in this volume resulting from a conference held in Marburg in 2018 study the challenging writing from various perspectives They examine the structure of the work the method and the manner of writing its relation to other writings and its scientific context By investigating the underlying philosophical concepts and their relation to the empirical research offered in *On Generation of Animals* the contributions also try to solve puzzles which Aristotle s explanation of the role of male and female offers as well as his idea of embryogenesis An outlook for the history of reception rounds off the volume **Aristotle on the Concept of Shared Life** Sara Brill,2020-05-21 According to the terms of Aristotle s *Politics* to be alive is to instantiate a form of rule In the growth of plants the perceptual capacities and movement of animals and the impulse that motivates thinking speaking and deliberating Aristotle sees the working of a powerful generative force come to expression in an array of forms of life and it is in these if anywhere that one could find the resources needed for a philosophic account of the nature of life as such *Aristotle on the Concept of Shared Life* explores this intertwining of power and life in Aristotle s thought and argues that Aristotle locates the foundation of human political life in the capacity to share one s most vital activities with others A comprehensive study of the relationality which shared life reveals tells us something essential about Aristotle s approach to human political phenomena namely that they arise as forms of intimacy whose political character can only be seen when viewed in the context of Aristotle s larger inquiries into animal life where they emerge not as categorically distinct from animal sociality but as intensifications of it Tracing the human capacity to share life thus illuminates the interrelation between the zoological ethical and political lenses through which Aristotle pursues his investigation of the polis In following this connection this volume also examines and critically evaluates the reception of Aristotle s political thought in some of the most influential concepts of contemporary critical theory Animals in Greek, Arabic, and Latin Philosophy ,2025-10-08 Non human animals are a topic of intense philosophical interest in the modern day It is often supposed that this is a recent development but in fact pre modern philosophers were intensely interested in

animals Aristotle initiated a long standing zoological tradition but it was only part of the vast literature on animals in antiquity and the middle ages To do it justice this book gathers twenty five studies of animals in Greek Arabic and Latin philosophy Major themes include the cognitive capacities of animals the difference between humans and animals and the question of how humans should treat animals as well as God s relationship towards animals animal diet and mating language among animals animal suffering animals as ethical exemplars and reincarnation Contributors Peter Adamson Tommaso Alpina Hanif Amin Beidokhti Zack Candy Sophia M Connell Rachael Omari Kosta Gligorijevic Guy Guldentops Rotraud Hansberger Paloma Hernandez Rubio Tua Korhonen Behnam Khodapanah Philip Line Thornton Lockwood Ruizhi Ma Janne Mattila Robert Mayhew Michele Meroni Bahodir Musametov Giulio Navarra Maril Papandreou Nicolas Payen Michael Payne Jens Ole Schmitt John Skalko and Miira Tuominen

Methods and Problems in Greek Science G. E. R. Lloyd, 1991 A collection of the most important papers published by G E R Lloyd on Greek science since 1961 [Aristotle on Matter, Form, and Moving Causes](#) Devin Henry, 2019-12-05 Examines Aristotle s doctrine of hylomorphism and its importance for understanding the process by which substances come into being

Aristotle's Generation of Animals Andrea Falcon, David Lefebvre, 2018-01-11 Generation of Animals is one of Aristotle s most mature sophisticated and carefully crafted scientific writings His overall goal is to provide a comprehensive and systematic account of how animals reproduce including a study of their reproductive organs what we would call fertilization embryogenesis and organogenesis In this book international experts present thirteen original essays providing a philosophically and historically informed introduction to this important work They shed light on the unity and structure of the Generation of Animals the main theses that Aristotle defends in the work and the method of inquiry he adopts They also open up new avenues of exploration of this difficult and still largely unexplored work The volume will be essential for scholars and students of ancient philosophy as well as of the history and philosophy of science

[Aristotle's Gynecology](#) Mariska Leunissen, 2025 In Aristotle s Gynecology Mariska Leunissen examines Aristotle s methods for the establishment of gynecological facts within his natural science arguing that many of the gynecological phenomena at stake such as menstruation and the nature of menstrual blood the role of female pleasure during sex and women s experiences of erotic dreams and their knowledge of conception and their experiences of false pregnancy and childbirth were mostly for socio cultural reasons not at all or not immediately accessible for a male natural scientific observer such as Aristotle Given this lack of immediate empirical evidence Aristotle employed alternative methods for the establishment of facts such as relying on signs and circumstantial empirical evidence or using analogical and probabilistic reasoning and relied heavily on existing expert reports such as mainly early medical sources but also sometimes verbal reports from women themselves Moreover Aristotle used a secondary standard for testing the results of this inquiry namely one which he originally developed for investigations into physically remote meteorological and cosmological phenomena that are not apparent to observation and according to which statements of facts are credible if they are

ontologically possible Leunissen thus reconstructs Aristotle's gynecology in the context of his commitments to empiricism and his scientific methods for the fact establishing phase of natural science and elucidates the role his concepts of evidence credibility and signs play in his natural scientific research However through its focus on Aristotle's use of gendered knowledge and his reconstruction of natural phenomena believed to be characteristic of women Leunissen's book also offers a glimpse of the lived experiences and reproductive beliefs of women in Ancient Greece

Classical Philosophy Peter Adamson, 2014-06 Readership Anyone interested in philosophy the history of ideas or the ancient Greek world

Definition in Greek Philosophy David Charles, 2010-08-19 Socrates' greatest philosophical contribution was to have initiated the search for definitions In *Definition in Greek Philosophy* his views on definition are examined together with those of his successors including Plato Aristotle the Stoics Galen the Sceptics and Plotinus Although definition was a major preoccupation for many Greek philosophers it has rarely been treated as a separate topic in its own right in recent years This volume which contains fourteen new essays by leading scholars aims to reawaken interest in a number of central and relatively unexplored issues concerning definition These issues are briefly set out in the Introduction which also seeks to point out scholarly and philosophical questions which merit further study

Biotechnology and the Integrity of Life Michael Hauskeller, 2016-04-15 There are things that can be done and are done to life on earth whether it be human animal or plant life which even if they do not involve or produce any suffering are still considered morally wrong by a large proportion of the public Such things include changing the nature of living beings by means of genetic engineering in order to enhance their health or more likely with animals and plants their utility or impairing their ability to live autonomously or unduly instrumentalizing them Yet many scientists are puzzled about the unwillingness of the public to feel much enthusiasm about a technology that in their view promises great benefits to humans and does not seem to cause more harm to animals than other practices which most of us do not question at all In this book Michael Hauskeller takes public fears seriously and offers the idea of biological integrity as a clarifying principle which can then be analyzed to show that seemingly irrational public concerns about genetic engineering are not so irrational after all and that a philosophically sound justification of those concerns can indeed be given

A Companion to Aristotle Georgios Anagnostopoulos, 2013-03-05 The Blackwell Companion to Aristotle provides in depth studies of the main themes of Aristotle's thought from art to zoology The most comprehensive single volume survey of the life and work of Aristotle Comprised of 40 newly commissioned essays from leading experts Coves the full range of Aristotle's work from his theoretical inquiries into metaphysics physics psychology and biology to the practical and productive sciences such as ethics politics rhetoric and art

Aristotle's Empiricism Jean De Groot, 2014-02-05 In *Aristotle's Empiricism* Jean De Groot argues that an important part of Aristotle's natural philosophy has remained largely unexplored and shows that much of Aristotle's analysis of natural movement is influenced by the logic and concepts of mathematical mechanics that emerged from late Pythagorean thought De Groot draws upon the pseudo

Aristotelian Physical Problems XVI to reconstruct the context of mechanics in Aristotle's time and to trace the development of kinematic thinking from Archytas to the Aristotelian Mechanics. She shows the influence of kinematic thinking on Aristotle's concept of power or potentiality which she sees as having a physicalistic meaning originating in the problem of movement. De Groot identifies the source of early mechanical knowledge in kinesthetic awareness of mechanical advantage showing the relation of Aristotle's empiricism to more ancient experience. The book sheds light on the classical Greek understanding of imitation and device as it questions both the claim that Aristotle's natural philosophy codifies opinions held by convention and the view that the cogency of his scientific ideas depends on metaphysics.

Aristotle - Contemporary Perspectives on his Thought Demetra Sfendoni-Mentzou, 2018-07-23. This collection of essays by leading Aristotle scholars worldwide covers a wide range of topics on Aristotle's work from metaphysics, politics, ethics, bioethics, rhetoric, dialectic, aesthetics, history, to physics, psychology, biology, medicine, technology. The thorough exploration of the issues investigated deepens our knowledge of the most fundamental concepts which are crucial for an overall understanding of Aristotle's work. Moreover, the contributors explore the relevance of Aristotle's ideas to contemporary issues and provide new perspectives on the study of Aristotle's thought. The essays of the volume were presented at the plenary sessions of the World Congress Aristotle 2400 Years organized by the Interdisciplinary Centre for Aristotle Studies of Aristotle University of Thessaloniki on May 23-28, 2016, in commemoration of the 2400th anniversary of Aristotle's birth. The aim of the congress was to advance scholarship on all aspects of Aristotle's work both in philosophy and in the fundamental disciplines of science. The impressive number of 250 papers from 40 countries highlighted the fact that Aristotle's work continues to exercise an influence on our intellectual lives on a global scale.

Routledge Companion to Ancient Philosophy Frisbee Sheffield, James Warren, 2013-12-04. The Routledge Companion to Ancient Philosophy is a collection of new essays on the philosophy and philosophers of the ancient Greek and Roman worlds. Written by a cast of international scholars, it covers the full range of ancient philosophy from the sixth century BC to the sixth century AD and beyond. There are dedicated discussions of the major areas of the philosophy of Plato and Aristotle together with accounts of their predecessors and successors. The contributors also address various problems of interpretation and method, highlighting the particular demands and interest of working with ancient philosophical texts. All original texts discussed are translated into English.

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