

Environmental Education

The environment and contested notions of sustainability are increasingly topics of public interest, political debate, and legislation across the world. Environmental education journals now publish research from a wide variety of methodological traditions that show linkages between the environment, health, development, and education. The growth in scholarship makes this an opportune time to review and synthesize the knowledge base of the environmental education (EE) field. The purpose of this 51-chapter handbook is not only to illuminate the most important concepts, findings and theories that have been developed by EE research, but also to critically examine the historical progression of the field, its current debates and controversies, what is still missing from the EE research agenda, and where that agenda might be headed. Published for the American Educational Research Association (AERA).

This SpringerBrief focuses on the principles of ecotourism such as relevance of the field, origin, fundamental aspects, definitions, philosophy, implications in biodiversity conservation and environmental impacts. Special emphasis is also given to the interaction between ecotourism and education and it is supported by recent publications from the authors.

This book explores interdisciplinary approaches to animal-focused curriculum and pedagogy in environmental education, with an emphasis on integrating methods from the arts, humanities, and natural and social sciences. Each chapter, whether addressing curriculum, pedagogy, or both, engages with the extant literature in environmental education and other relevant fields to consider how interdisciplinary curricular and pedagogical practices shed new light on our understandings of and ethical/moral obligations to animals. Embracing theories like intersectionality, posthumanism, Indigenous cosmologies, and significant life experiences, and considering topics such as equine training, meat consumption and production, urban human-animal relationships, and zoos and aquariums, the chapters collectively contribute to the field by foregrounding the lives of animals. The volume purposefully steps forward from the historical marginalization of animals in educational research and practice.

These papers aim to provide a substantial review of the literature pertaining to a comprehensive range of traditional and contemporary research paradigms and research methods. The book is designed as a reference work for novice researchers in the fields of geographical and environmental education.

The book presents recent empirical studies in the field of environmental education conducted in various European countries and Israel. The research projects were concerned with the general question of the basic competences required for fostering Sustainable Development.

The book deals with recent trends in Environmental Education and its relevance in different countries and stream of studies. The chapters have extensively elaborated the Indian and international legal provisions and policies for the preservation and protection of environment and ecosystem. The book has five broad sections and twenty three chapters contributed by the subject experts in the field to discuss: Primary introduction to the Environmental education and the case studies from the teacher education programmes, higher education and school education. Thorough scrutiny of environmental issues and concerns through the discussion of Conservation of Environment and Ecosystem; Global Environmental Problems and Pollution; extinction of flora and fauna, deforestation, soil erosion; impact of disasters acting upon the environment; and policies and initiatives in India and international fora. Recent trends in Environmental Education explaining Eco-psychology and Eco-feminism with social pollution; sustainability for pro-environmental behavior; life-style; environmental attitude. Sustainable development with its conceptual note, literature, guiding principles, initiatives by Indian and international organizations; draft regulations and effect on livelihoods. Pedagogy of teaching environmental education; teaching strategies, approaches and methods; programmes laid for different levels of education in India; and Curriculum and volume of units at different grades in school; professional development in and through environmental education. The book is intended for the students of Teacher Education Programmes, i.e., B.Ed and M.Ed, for all the Indian Universities across India and overseas. The articles are written in line with NCTE guidelines and National Curriculum Framework for Teacher Education (NCFTE) 2010.

This publication contains records of an oversight hearing on the National Environmental Education Act in which activities carried out under the Act since its signing were reviewed. The following witnesses addressed the hearing held on April 21, 1994: David B. Rockland, National Environmental Education and Training Foundation; Dr. Paul F. Nowak, Director, National Consortium for Environmental Education and Training; Judy Braus, Board Member, North American Association for Environmental Education; Loretta A. Ucelli, Associate Administrator, Office of Communication, Education and Public Affairs, Environmental Protection Agency; Jayni Chase, Founder, Center for Environmental Education; and Marietta J. Sutter, Coordinator, Project Green Reach. Each representative outlined his/her organization's activities and made suggestions for improvement of the Act. Suggested improvements ranged from reallocation of funding to increased cooperation between governmental agencies carrying out environmental education efforts. (LZ) Details the discussions and conclusions of the conference sponsored by the Federal Task Force on Environmental Education.

On the life and works of Edgar Allan Poe, 1809-1849, American litterateur.

In Environmental Education: Identity, Politics and Citizenship the editors endeavor to present views of environmental educators that focus on issues of identity and subjectivity, and how 'narrated lives' relate to questions of learning, education, politics, justice, and citizenship.

The Globe We Live In Have Two Types Of Environments, One Is Natural Environment Of Air, Soil, Water, Hills, Trees (Abiotic), Etc., And The Other One Is Plant, Animals (Biotic), Etc., Which Is To Called Social Environment. Man Has Managed To Create Comfortable Habitat, Using Science And Technology, Religion And Politics. In Fact Both The Environments Are Lively And Lovely. But With Comfort Comes Propagation, The Biological Growth Qualitative And Quantitative, Resulting In Unhealthy By- Products, Which Are In The Form Of Solid, Liquid And Gaseous. Soon We Find Our Paradise Is Transformed Into Inferno By Our Own Activities. This Text Is The Story Of Such Human Behaviour, Its Enormity, And A Modest Gesture To Think How To Avoid Catastrophe. It Is The Awareness Of The Undesirable Changes Occurring Around Us That Has Led To The Study Of Pollution Of Different Kinds. Abiotic Industrial Residues On The Other Hand May Not Be Of Immediate Hazard To Animal Life But Pose Eco Incompatibility In The Time Scale. The Legislation Is There And Is Desirable To Limit The Proliferation Of Solid Waste Out Of Bounds. But No Amount Of Legislation Is Enough Until The Public Awareness And Feeling For Fellowmen Are Not There To Improve The Quality Of Life. Though Management Is The Final Aim Of This Story, In The First Chapter We Will Try To Identify Different Aspects Of Environment Where We Live. The Next Three Chapters Are Based On Different Environmental Resources Of The Solid Wastes, Their Nature And Classification,

Their Common Ways Of Treatment. Possibilities Of Reuse, Recovery And Recycling In Some Cases Will Also Be Discussed. The Financial And Economic Aspect Of The Same Is Presented In Chapter Five. In The Sixth Chapter, We Will Look Forward To Public Awareness And Participation In The Abatement And Management Aspect Of The Solid Waste Problems. The Concluding Seventh Chapter Will Have The Optimization System, Analysis And The Planning Aspect Of The Entire Subject.

This collection traces the development and findings of curriculum studies of environmental education since the mid-1970s. Based on a virtual special issue of the Journal of Curriculum Studies, the volume identifies a series of curriculum challenges for and from environmental education. These include key questions in curriculum politics, planning and implementation, including which educative experiences should a curriculum foster and why; what the scope of a worthwhile curriculum should be and how it should be decided, organised and reworked; why distinctive curricula are provided to different groups of students; and how curriculum should best be enacted and evaluated? The editor and contributors call for renewed attention to the possibilities for future directions in research, in light of previously published work and innovations in scholarship. They also offer critical commentary on curriculum, critique and crisis in environmental education, through new material and previous studies from the journal, by addressing three key themes: perspectives on curriculum and environment education; accounting for curriculum in environmental education; and changes in curriculum for environmental education.

On the imperative of sustainable development: a philosophical and ethical appraisal / Johan Hattingh -- Integrating economic development, social justice and ecological sustainability: a case of sustainable development in the waste industry, eThekweni Unicity, Durban / Sara Freeman, Ndyabo Mgingqizana -- Environmental management: expertise, uncertainty, responsibility / Mike Ward -- Decentralising environmental management in Malawi: the challenge of capacity-building / Martin Mkandawire -- Policy playing out in the field: a case study of the implementation of sustainable agriculture in Uganda / Daniel Babikwa -- The evolution of people-and-parks relationships in South Africa's National Conservation Organisation / Kevin Moore, Lynette Masuku van Damme -- Industry and sustainability: a re-view through critical discourse analysis / Leigh Price -- Challenges for environmental journalism in Africa: a case study of NGO-based journalism in ecological youth of Angola / Vladimir Russo -- Curriculum patterning in environmental education: a review of developments in formal education in South Africa / Heila Lotz-Sisitka -- Indigenous knowledge and the school curriculum: a review of developing methods and methodological perspectives / Rob O'Donoghue, Edgar Neluvhalani -- Sustainable development in a post-colonial context: the potential for emancipatory research / Tsepo Mokuku -- Ambivalent globalising influences in a local context: the case of an environmental education practitioner's experience in Zambia / Justin Lupele.

Addressing global climate change is a monumental battle that can only be fought by the leaders of tomorrow, but future leaders are molded through education and shaped by the leaders of today. While the pivotal role of education in spreading awareness of climate change is one universally espoused, equally universal is the recognition that current education efforts are falling woefully short. Promoting Climate Change Awareness through Environmental Education stems the rising tide of shortcomings in environmental education by plugging a known gap in current research and opening a dialogue for the future.

Targeting an audience of young scholars, academics, researchers, and policymakers, this volume provides a much needed dam of empirical evidence regarding the role of youth education in addressing one of the greatest challenges of our age. This timely publication focuses on topics such as building resilience to climate change, green learning spaces, gender issues and concerns for developing countries, and the impact of young adults on the future of environmental sustainability.

"India is grappling with serious environmental issues that have been largely sparked by its galloping economy. As a measure of its seriousness to reduce the environmental impacts it has spearheaded numerous policy initiatives. One of the major thrusts of the proposed initiatives to curb environmental degradation has been to create an informed and well-educated citizenry. The federal mandates have triggered new curriculum policies and the compulsory teaching of environmental and sustainability education at all levels in all education institutions. This volume examines the policy practice conundrum. It looks at how national and international policy reforms reach practitioners – in this case teacher educators. Furthermore, it unravels how teacher educators understand environmental education, the ways in which they negotiate its demands on their busy schedules, what helps them in determining relevant issues within this and finally how they implement these policies in their everyday practices. It is evident from this book that while there have been some really well meaning development of policies, their impact on teacher educators' practice, and therefore student teachers' learning about Environmental Education is limited. The study showed that while these teacher educators had a clear understanding of the environment and saw the need/importance of incorporating Environmental Education in their daily practices they had very little scope to do so. There were numerous factors that constrained implementation. The book provides inputs on global policy practice gaps. It offers valuable insights to a global audience grappling with understanding the ways in which environmental education policies are put into practice in emerging economies like India. The final argument is thesis that while policy reforms are a step in the right direction they need to be backed up with strong implementation systems in order to be successful."</div>

Environmental education is a field characterised by a paradox. Few would doubt the urgency and importance of learning to live in sustainable ways, but environmental education holds nowhere near the priority position in formal schooling around the world that this would suggest. This text sets out to find out why this is so. It is divided into six parts: Part 1 is a concise history of the development of environmental education from an international perspective; Part 2 is an overview of the 'global agenda', or subject knowledge of environmental education; Part 3 introduces perspectives on theory and research in environmental education; Part 4 moves on to practice, and presents an integrated model for planning environmental education programmes; Part 5 brings together invited contributors who talk about environmental education in their own countries - from 15 countries including China, South Africa, Sri Lanka and the USA; Part 6 returns to the core questions of how progress can be made, and how we can maximise the potential of environmental education for the twenty first century.

PreK-8 Environmental Education Activity GuideEnvironmental Education in the Public SchoolsA Pilot StudyField Trips in Environmental EducationBWV Verlag

This volume discusses theory, philosophy, praxis and methods in Environmental and Ecological education, and considers the junction with the main visions and issues of Critical Pedagogy. The volume and its separate chapters address four axes, which can also be seen as the guidelines of the content as well as the central objectives of the book. The first axis concerns the missing theoretical and practical pieces at this point in time. The volume considers the issues that are not included in contemporary Environmental Education, and thus, deprive it from critical orientations. This implies that in Environmental Education, very little discussion exists about the political, economic, racial, gender and class issues that in most cases govern the actions of leaders and stake-holders. The second axis concerns what has been done so far and in what directions. This involves descriptions of theoretical approaches or actual applied methodologies in the classroom, such as curricula or syllabus used or the kind of actions certain educators have taken to infuse the issues of justice and critical reflection within the Environmental Education teaching agenda. The third axis examines proposals. It looks at ways to enrich domains of Environmental Education with the argumentations of Critical Pedagogy. The fourth axis concerns the way in which proposals can be effectuated. This part contains specific methodologies and teaching

sequences, depicting ways of including major aspects of Critical Pedagogy and Critical Education in Environmental Education. Examples are: Non-anthropocentric ecological approaches in the classroom, political activism in the Curricula, mixture of field activities and political activities.

The present book shares critical perspectives on the conceptualization, implementation, discourses, policies, and alternative practices of environmental education (EE) for diverse and unique groups of learners in a variety of international educational settings. Each contribution offers insights on the authors' own processes of re-imagining an education in/about/for the environment that are realized through their teaching, research and other ways of "doing" EE. Overall, environmental education has been aimed at giving people a wider appreciation of the diversity of cultural and environmental systems around them as well as the urge to overcome existing problems. In this context, universities, schools, and community-based organizations struggle to promote sustainable environmental education practices geared toward the development of ecologically literate citizens in light of surmountable challenges of hyperconsumerism, environmental depletion and socioeconomic inequality. The extent that individuals within educational systems are expected to effectively respond to—as well as benefit from—a "greener" and more just world becomes paramount with the vision and analysis of different successes and challenges embodied by EE efforts worldwide. This book fosters conversations amongst researchers, teacher educators, schoolteachers, and community leaders in order to promote new international collaborations around current and potential forms of environmental education. This book reflects many successful international projects and perspectives on the theory and praxis of environmental education. An eclectic mix of international scholars challenge environmental educators to engage issues of reconciliation of correspondences and difference across regions. In their own ways, authors stimulate critical conversations that seem pivotal for necessary re-imaginings of research and pedagogy across the grain of cultural and ecological realities, systematic barriers and reconceptualizations of environmental education. The book is most encouraging in that it works to expand the creative commons for progress in teaching, researching and doing environmental education in desperate times. — Paul Hart, Professor of Science and Environmental Education at the University of Regina (Canada), Melanson Award for outstanding contributions to environmental and outdoor education (Saskatchewan Outdoor and Environmental Education Association) and North American Association for Environmental Education (NAAEE)'s Jeske Award for Leadership and Service to the Field of EE and Outstanding Contributions to Research in EE. In an attempt to overcome simplistic and fragmented views of doing Environmental Education in both formal and informal settings, the collected authors from several countries/continents present a wealth of cultural, social, political, artistic, pedagogical, and ethical perspectives that enrich our vision on the theoretical and practical foundations of the field. A remarkable book that I suggest all environmental educators, teacher educators, policy and curricular writers read and present to their students in order to foster dialogue around innovative ways of experiencing an education about/in/for the environment. — Rute Monteiro, Professor of Science Education, Universidade do Algarve/ University of Algarve (Portugal).

Environmental Education explains the nature and scope of Environmental Education in detail. Environmental studies are multi-disciplinary in nature, and this book helps students explore all the various facets of it. It encourages students to understand the importance of environmental studies too. It is written with a practical approach using easy language so that student can understand the subject well. It covers important topics like the eco system, biodiversity and nature of environmental studies, among others, in detail.

The concept of "standards" seems antithetical to the ways critical educators are dedicated to teaching, but what would "standards" look like if they were generated from social justice perspectives and through collaborative and inclusive processes? Such is the central question posed by the contributors of this groundbreaking collection on the interconnectivity of social justice, peace, and environmental preservation. Challenging education that promotes consumerism, careerism, and corporate profiteering, they boldly offer examples of a new paradigm for practicing a transformative critical pedagogy. Rather than just talking about coalition building within and across educational communities, they demonstrate how we might communicate from different vantage points and disciplinary boundaries to create a broader picture of social and eco-justice. Social Justice, Peace, and Environmental Education will be required reading for educators and students who want to envision and practice living, acting, and teaching for a better world.

First Published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

HauptbeschreibungField trips are a popular method for introducing students to concepts, ideas, and experiences that cannot be provided in a classroom environment. This is particularly true for trans-disciplinary areas of teaching and learning, such as science or environmental education. While field trips are generally viewed by educators as beneficial to teaching and learning, and by students as a cherished alternative to classroom instruction, educational research paints a more complex picture. At a time when school systems demand proof of the educational value of field trips, large gaps ofte.

This book brings together ecologists, environmental philosophers and educators to address concerns over advocacy in environmental education.

In the World Library of Educationalists, international scholars themselves compile career-long collections of what they judge to be their finest pieces—extracts from books, key articles, salient research findings, major theoretical and/practical contributions—so the world can read them in a single manageable volume. Readers thus are able to follow the themes and strands of their work and see their contribution to the development of a field, as well as the development of the field itself. Internationally recognized for his research on environmental education, science engagement, learning outside the classroom, and teacher identity and development, in this volume Justin Dillon brings together a thoughtfully crafted selection of his writing representing key aspects of his life and work leading to his current thinking on the need for a convergence of science and environmental education. The chapters are organized around 7 themes: On Habitus; On methodological issues; Developing theories of learning, identity and culture; Challenges and opportunities—science, the environment and the outdoors; Classroom issues—the emergence of Science|Environment|Health; Science engagement and communication; Science, environment and sustainability.

Contents: Introduction, Review of Related Research, Statement of the Problem, Methodology, Results and Discussion, Summary and Suggestions.

The contributors to this book address the critically important dual challenge of making environmental education engaging while engaging individuals, institutions and communities. Rather than treating students and citizens as passive recipients of other people's knowledge, the book highlights the importance of engaging learners as active agents in thinking about and constructing a more sustainable and equitable quality of life.

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