Πρόγραμμα Μεταπτυχιακών Σπουδών Εξειδίκευσης

του Τμήματος Ελληνικής Φιλολογίας του Δημοκριτείου Πανεπιστημίου Θράκης σε συνεργασία με το

ΕΚΕΦΕ Δημόκριτος – Ινστιτούτο Πληροφορικής και Επικοινωνιών με τίτλο: «Εξειδίκευση στις Τ.Π.Ε. και Ειδική Αγωγή – Ψυχοπαιδαγωγική της ένταξης»

ΠΕΡΙΒΑΛΛΟΝΤΙΚΉ ΕΚΠΑΙΔΕΥΣΗ - ΕΙΔΙΚΉ ΑΓΩΓΉ ENVIRONMENTAL EDUCATION- SPECIAL EDUCATION

του

Κατσινίκα Κωνσταντίνου

Μεταπτυχιακή διατριβή που υποβάλλεται στην τριμελή επιτροπή για την απόκτηση του μεταπτυχιακού τίτλου του Προγράμματος Μεταπτυχιακών Σπουδών Εξειδίκευσης του Τ.Ε.Φ-Δ.Π.Θ. σε συνεργασία με το Ε.Κ.Ε.Φ.Ε. Δημόκριτος – Ινστιτούτο Πληροφορικής και Επικοινωνιών με τίτλο: «Εξειδίκευση στις Τ.Π.Ε. και Ειδική Αγωγή – Ψυχοπαιδαγωγική της ένταξης»

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Περίληψη

Τις τελευταίες δεκαετίες η περιβαλλοντική εκπαίδευση έχει αναγνωριστεί διεθνώς ως μια αποτελεσματική προσέγγιση για την ανάπτυξη της περιβαλλοντικής ευαισθητοποίησης των παιδιών και την προώθηση της αειφορίας. Ωστόσο, η εισαγωγή της διδακτικής της ΠΕ στα ειδικά σχολεία είναι περιορισμένη και αντιμετωπίζει πολλές προκλήσεις τόσο σε σχέση με τους ίδιους τους εκπαιδευτικούς όσο και με τις ιδιαίτερες απαιτήσεις των παιδιών με αναπηρία. Η βιβλιογραφία δείχνει ότι η επαφή με το περιβάλλον των παιδιών με ειδικές εκπαιδευτικές ανάγκες έχει σημαντική επίδραση στην ευαισθητοποίησή τους σε θέματα του περιβάλλοντος και στην ανάπτυξη των ακαδημαϊκών και αισθητικοκινητικών τους δεξιοτήτων. Η παρούσα έρευνα είναι μία βιβλιογραφική ανασκόπηση η οποία εστιάζεται στην διδασκαλία της ΠΕ σε παιδιά με ειδικές εκπαιδευτικές ανάγκες. Συγκεκριμένα, εστιάζεται στην έννοια και τις προσεγγίσεις της ΠΕ, στην εισαγωγή της στα σχολικά προγράμματα σπουδών, στην ειδική αγωγή και στην σύνδεση της ΠΕ με την ειδική αγωγή. Τα συμπεράσματα της έρευνας καταλήγουν στο γεγονός ότι η εισαγωγή της ΠΕ στα ειδικά σχολεία είναι περιορισμένη και αντιμετωπίζει σημαντικά εμπόδια και προκλήσεις. Στον μέλλον, είναι αναγκαία η περαιτέρω έρευνα αναφορικά με τους τρόπους διευκόλυνσης και αποτελεσματικότητας της εισαγωγής της ΠΕ στη διδασκαλία παιδιών με ειδικές εκπαιδευτικές ανάγκες.

Λέξεις κλειδιά: αναπηρία, ειδική αγωγή, περιβαλλοντική εκπαίδευση, συμπερίληψη, υπαίθρια εκπαίδευση.

Βιβλιογραφία

Ξενόγλωσση

- Abdullah, S.I.S.S., Halim, L., & Shahali, E.H.M. (2011). Integration of environmental knowledge across biology, physics and chemistry subject at secondary level in Malaysia. *Procedia- Social and Behavioural Sciences*, *15*, 1024-1028.
- Adams, T.R. (2013). Barriers to Teaching Action-Based Environmental Education: A Multiple Case Study of Teachers in the Public School Classroom". Masters Theses & Specialist Projects. Paper 1230.
- Ahmad, M. (2012). Barriers of Inclusive Education for Children with Intellectual Disability. *Indian Streams Reserach Journal*, 2 (2).
- Ainscow, M. (1999). *Understanding the Development of Inclusive Schools*. London: Falmer Press.
- Anderson. B. (2008). Supporting Sustainable Schools in the South East. Government Office for the South East.
- Angel, R.J. & Angel, J.L. (1996). Physical comorbidity and medical care use in children with emotional problems. *Public Health Rep*, *111*(2), 138-9.
- Association on Intellectual and Developmental Disabilities (AAIDD). (2010). Consortium for Citizens with Disabilities. Retrieved April 30, 2020, from http://www.aaidd.org/content_28.cfm?navID=7.
- Baczala, K. (1992). Environmental audit. Toward a school policy for environmental education. Wolverhampton University, West Midlands: North American Association for Environmental Education.
- Baier, H. (1981). *Sonderpädagogik*. Λήμμα στο Handlexikon zur Pädagogischen Psychologie. Schiefele, H., Krapp, A. München. 336-337.
- BCSE. (2007). *Report on the school environment survey 2007 results*. Teacher Support Network and the British Council for School Environments.
- Belgrade. (1975). International Workshop on Environmental Education Belgrade Charter. Retrieved March 20, 2010, from http://unesdoc.unesco.org.
- Berger, R. (2006). Using contact with nature, creativity and rituals as a therapeutic medium with children with learning difficulties: A case study. *Emotional and Behavioural Difficulties*, 11(2), 135-146.
- Bialeschki, M. D. (1981). Environmental education needs of special populations. The *Journal of Environmental Education*, 13(1), 39-44.

- Bixler, R., & Floyd, M. F. (1999). Hands on or hands off? Disgust sensitivity and preference for environmental activities. *Journal of Environmental Education*, 30 (3), 3-7.
- Bixler, R., Floyd, M.f., & Hammitt, W.E. (2002). Environmental Socialization: Qualitative Tests of the childhood Play Hypothesis. *Environment and Behaviour*, 34 (6), 795-818.
- Blatt, E. N. (2015). An investigation of the goals for an environmental science course: Teacher and student perspectives. *Environmental Education Research*, 21(5), 710-733. doi:10.1080/13504622.2014.918935.
- Blatt, E., & Patrick, P. (2014). An exploration of preservice teachers' experiences in outdoor 'places' and intentions for teaching in the outdoors. International *Journal of Science Education*, 36(13), 2243-2264. doi:10.1080/09500693.2014.918294.
- Bleidick, U., & Hagenmeister, U. (1998). *Eifuehrung in die Behindertenpädagogik*. Band I. (6 Auflage). Stuttgart: Verlag W. Kohlammer, 64-67.
- BMRB Social Research. (2000). Sustainable Development Education Surveys, Sustainable Development Education Panel. DEFRA website.
- Bogner, F.X. (1998). The Influence of Short-Term Outdoor Ecology Education on Long-Term Variables of Environmental Perspective. *The Journal of Environmental Education*, 29(4), 17-29.
- Booth, T., Ainscow, M., Black-Hawkins, K., Vaughn, M. & Shaw, L. (2000) Index for Inclusion: developing learning and participation in schools. Bristol: CSIE.
- Borg, C., Gericke, N., Hoglund, H-O., & Bergman, E. (2012). The barriers encountered by teachers implementing education for sustainable development: Discipline bound differences and teaching traditions. *Research in Science and Technological Education*, 30(2), 185-207. doi:10.1080/02635143.2012.699891.
- Borradaile, L. (2006). *Forest School Scotland: An evaluation*. Report to Forestry Commission Scotland and the Forest Education Initiative.
- Bourdieu P. (1991). Language and Symbolic Power. Polity Press: Oxford.
- Brandes, B.L. (2015). The Symphony of Reflexes: Interventions for Human Development, Autism, ADHD, CP, and Other Neurological Disorders.

 California: Quantum Reflex Integration, Inc.

- Brodin, J., & Lindstrand, P. (2006). *Inclusion of Children in Outdoor Education Learning in Motion Report I.* Retrieved May 21, 2020, from http://www.buv.su.se/polopoly_fs/1.75640.1328875902!/menu/standard/file/T KH_43. pdf.
- Bruyere, B. L., Wesson, M., & Teel, T. (2012). Incorporating environmental education into an urban after-school program in New York City. International Journal of *Environmental and Science Education*, 7(2), 327-341.
- Cadman, D., Boyle, M., Szatmari, P., & Offord, D.R. (1987). Chronic illness, disability, and mental and social well-being: Findings from the Ontario Child Health Study. *Pediatrics*, 79, 805-813.
- Chapman, N., & Pease, L. (2007). Special Environmental Education for the Learning Disabled. *ENVIRONMENTAL EDUCATION AND AWARENESS*, 1.
- Cheadle, C., Symons, G., & Pitt, J. (2004). Education for Sustainable Development: A needs analysis of teachers in Citizenship, Geography, Science, Design and Technology and School Managers. GA/DfES (unpublished).
- Clark, K.E. (2013). Ecological Intelligence and Sustainability Education in Special Education. Sustainability Education. *MULTICULTURAL EDUCATION*, 38-45.
- Cohen, M. (1989). *Connecting with nature, creating moments that let earth teach*. Eugene, Oregon: Michael Cohen, World Peace University.
- Corney, G. (2007). Education for sustainable development: an empirical study of the tensions and challenges faced by geography student teachers. University of Oxford, Department of Educational Studies, IRGEE No: 194.
- Coyle, K. (2005). Environmental literacy in America: What ten years of NEETF/Roper research and related studies say about the environmental literacy in the U.S. The National Environmental Education & Training Foundation.
- Crain, W. (2001). How nature helps children develop. *Montessory Life*, 13(3), 22-24.
- Cullen, J. (1993). Preschool children's use and perceptions of outdoor play areas. *Early Child Development and care*, 89, 45-56.
- de Beco, G. (2016). "Transition to Inclusive Education Systems According to the Convention on the Rights of Persons with Disabilities". *Nordic Journal of Human Rights* 34(1), 40-59.
- Declaration of the UN Conference on Human Environment, (1972). Molitor (ed), International Environmental Law, Primary Materials, 1991, p 81. Stockholm.

- DES (Department of Education and Science). (1978). Warnock Committee Report. London: HMSO.
- Desjean-Perrotta, B., Moseley, C., & Cantu, L. E. (2008). Preservice teacher's perceptions of the environment: Does ethnicity or dominant residential experience matter? *The Journal of Environmental Education*, 39 (2), 21-31.
- DfES (Department for Education and Skills). (2006). *Government Response to Education and Skills*. Committee Report on Special Educational Needs.
- Dhull, P., & Verma, G. (2017). Environmental education in teacher education and challenges. *International Journal of Academic Research and Development*, 2(5), 84-87.
- Dillon, J., Morrison, M., O'Donnell, L., Reid, A., Rickinson, M., & Scott, W. (2005). Engangin and learning with the outdoors-the final report of the outdoor classroom in a rural context action reserch project. National Foudation for Education reserch. Berkshire.
- Dominguez, L. A., & Schilling, M. L. (2001). Environmental awareness and outdoor recreation: A pilot program for people with special needs. *World Leisure Journal*, 43(3), 42-47.
- Drake, S.M., & Burns, R.C. (2004). *Meeting Standards Through Integrated Curriculum*. Alexandria, Va: Association for Supervision and Curriculum Development.
- Dunn, L M. (1968). Special education for the mildly retarded: Is much of it justifiable? *Exceptional Children*, *35*, 5-22.
- Dyment, J. (2005). Green school grounds as sites for outdoor learning: Barriers and opportunites. *International Research in Geographical and Environmental Education*, 14 (1), 28-45.
- Dyment, J.E. (2005). Green school grounds as sites for outdoor learning: Barriers and opportunities. *International Research in Geographical & Environmental Education*, 14(1), 28-45.
- Eberwein, H. (1996). Zur Kritik des Behinderungsbegriffs und des sonderpädagogisches Paradigmas. Integration als Aufgabe der allgemeinen Pädagogik und Schule. In Eberwein, H. (Herausgeben). *Einführung in die Integrations-pädagogik*. (pp. 12-13). Winheim: Deutscher Studien Verlag.

- Edwall, G.E., Shevlin-Woodcock, C., & Thorson, S. (2004). Integrating Public Health, Mental Health, and Special Education Perspectives to Address the Mental Health Needs of CYSHCN. *Healthy Generations*, *5*(2).
- Edwards-Jones, A., Waite, S., & Passy, R. (2016). Falling into LINE: school strategies for overcoming challenges associated with learning in natural environments (LINE). *Education*, *3*(13), 1-15.
- Emerson, E. (2003). Prevalence of psychiatric disorders in children and adolescents with and without intellectual disability. *Intellect Disabil Res*, 47(1), 51-58.
- Environment Protection and Biodiversity Conservation Act-EPBC (1999). Department of the Environment. Parliament of Australia.
- Ernst, J. (2007). Factors associated with k-12 teachers' use of environment-based education. *Journal of Environmental Education*, 38(3), 15-32.
- Ernst, R.E., & Bleeker, W. (2010). <u>Large igneous provinces (LIPs)</u>, giant dyke swarms, and mantle plumes: significance for breakup events within Canada and adjacent regions from 2.5 Ga to the Present. Canadian Journal of Earth Sciences, 47 (5), 695-739
- Esland, G. (1971) 'Teaching and Learning as the Organisation of Knowledge'. In M.F.D. Young, (ed.) *Knowledge and Control: New Directions for the Sociology of Education*. London: Collier-Macmillan.
- Ferreira, M.M., Grueber, D., & Yarema, S. (2012). A community partnership to facilitate urban elementary students' access to the outdoors. *School Community Journal*, 22(1), 49-64.
- Fink, A. H., & Friend, M. (1989). Ειδική αγωγή (εκπαίδευση). Παιδαγωγική Ψυχολογική Εγκυκλοπαίδεια Λεξικό, 3 (σελ. 1643). Αθήνα: Ελληνικά Γράμματα.
- Fishr, B., Turner, R.K., & Morling, P. (2009). Defining and classifying ecosystem services for decision making. *Ecological Economics* 68(3), 643-653.
- Fjørtoft, I. & Sageie, J. (2000). The natural environment as a playground for childen: Landscape description and analysis of a natural landscape. Landscape and Urban Planning, 48 (1/2), 83-97.
- Fox, P., & Avramidis, E. (2003). An evaluation of an outdoor education programme for students with emotional and behavioural difficulties. *Emotional and Behavioural Difficulties*, 8(4), 267-283.
- Fuller, B. (1969). *Operating Manual For Spaceship Earth*. Carbondale: Southern Illinois University Press.

- Galloway, D., & Goodwin, C. (1987). *The Education of Disturbing Children: pupils with learning and adjustment difficulties*. London: Longman.
- Ghosh, K. (2014). Environmental awareness among secondary school students of Golagahat District in the state of Assam and their attitude towards environmental education. *IOSR Journal of Humanities and Social Sciences*, 19 (3), 30-34.
- Gilbertson, K. (2006). *Outdoor education: methods and strategies*. Champaign, IL: Human Kinetics.
- Gortmaker, S.L., Walker, D.B., Weitzman, M., & Sobol, A.M. (1990). Chronic conditions, socio-economic risks, and behavioral problems in children and adolescents. *Pediatrics*, 85, 267-276.
- Güdelhöfer, I. (2016). *Outdoor Education and the Inclusion of Children with Special*Needs A Case Study from Germany. Master's Thesis. Linköping University.
- Györek, N. (2018). Green Learning Environments: The Benefits of (Learning in)

 Nature for Children with Special Educational Needs. Institute for Forest Pedagogics, Kamnik.
- Ham, S.H., & Sewing, D.R. (1988). Barriers to environmental education. *The Journal of Environmental Education*, 19(2), 17-24.
- Hart, P. (2003). *Teachers' thinking in environmental education: Consciousness and responsibility* (Vol. 29). New York, NY: Peter Lang Pub Incorporated.
- Hassan, A., & Ismail, M. (2011). The infusion of environmental education (EE) in chemistry teaching and student's awareness and attitudes towards environment in Malaysia. *Procedia- Social and Behavioural sciences*, 15, 3404 3409.
- Heimlich, J. E., Braus, J., Olivolo, B., Barringer-Smith, L., & McKeown-Ice, R. (2004). Environmental education and preservice teacher preparation: A national study. *The Journal of Environmental Education*, 35 (2), 17-21.
- Hume, T., & Barry, J. (2015). Environmental Education and Education for Sustainable Development. *Elsevier*, ISB2 91081.
- Hungerford, H., Lintherland, R. A., Peyton R. B., Ramsey J. M., & Volk T. L. (1996).

 Investigating and evaluating environmental issues and actions: Skill development program (Teacher Ed.). Champaign, IL: Stipes Publishing, L.L.C.
- Hungerford, H., Litherland, R. A., Peyton, R. B., Ramsey, J. M., Tomera, A. M. & Volk T.L. (1992). *Investigating and evaluating environmental issues and actions:*Skill development modules. Champlain: Stipes Publishing Company.

- Hyatt, C., & Hornby, G. (2017). Will UN Article 24 lead to the demise of special education or to its re-affirmation. *Support 'for' Learning*, 32(3), 288-304. DOI:10.1111/1467-9604.12170.
- Individuals with Disability Education Act Amendments of 1997 (IDEA). (1997).

 Retrieved April 18, 2020, from https://www.congress.gov/105/plaws/publ17/PLAW-105publ17.pdf.
- IUCN. (1970). Resolution adopted at the IUCN international working meeting on environmental education in the school curriculum. Nevada, IUCN.
- IUCN/UNEP/WWF. (1980). World Conservation Strategy: living resources for sustainable development. Nevada, IUCN/UNEP/WWF.
- Jackson, L. (2007). *Leading sustainable schools*. National College for School Leadership.
- Jackson, P. (1992). Conceptions of Curriculum and Curriculum Specialists. Handbook of Research on Curriculum: A project of the American Research Association. New York: Macmillan.
- Jacquard, A. (1991). Voici le temps d'un monde fini. Paris: Seuil.
- Jenkinson, J.C. (1997) *Mainstream or Special? Educating Students with Disabilities*. London: Routledge.
- Jicling, B. (1992) Why I don't want my children to be educated for sustainable development. *Journal of Environmental Education*, 23, 5-8.
- Kadji -Beltran, C. (2002). Evaluation of environmental education programmes as a means for policy making and implementation support: The case of Cyprus primary education. PhD thesis, University of Warwick.
- Kalavathy, S. (2004). *Environmental studies*. Tiruchirappalli, India: Bishop Heber College.
- Kals, E., Schumacher, D., & Montada, L. (1999). Emtional affinity toward nature as a motivational basis to protect nature. *Environment and Beahviour*, 31 (2), 178-202.
- Kayess, R., & French, P. (2008). "Out of the Darkness into Light? Introducing the Convention on the Rights of Persons with Disabilities." Human Rights Law.
- Keller, J.A., & Novak, F. (1981). *Sonderpädagogik. Λήμμα στο Kleines Pädagogisches, Wörterbuch.* (2 Auflage) (σελ. 295-296). Oktober, Basel-Wien: Herter Verlag.
- Kellert, S.R. (2002). Experiencing Nature: Affective, Cognitive and Evaluative Development in Children. Children and nature: psychological, sociocultural

- and evolutionary investigation (ur.) Kellert S. R. In Kahn P.H. MIT Press, Cambridge, Massachusetts.
- Khan, S. (2015). Environmental education: An Indian perspective. *Research Journal of Chemical Sciences*, 5(1), 1-6.
- Kim, C., & Fortner, R. W. (2006). Issue-specific barriers to addressing environmental issues in the classroom: An exploratory study. *The Journal of Environmental Education*, 37 (3), 15-22.
- Kincy, K., Furhman, N.E., Navarro, M., & Knauft, D. (2016). Predicting teacher likelihood to use school gardens: A case study. *Applied Environmental Education & Communication*, 15(2), 138-149.
- Koeck, P., & Otto, H. (1976). Sonderpädagogik. Λήμμα στο Wörterbuch für Erziehung und Unterricht. Donauwörth: Verlag Ludwig, 375.
- Kumaraswamy et al. (2004). Constructional industry development. *Journal of Sustainable Environment*, 1.
- Kyburz-Gruber, H. (2013). Socioecological approaches to environmental education and research. In: Stevenson, Robert B., Brody, Michael, Dillon, Justin, Wals, Arjen E.J. (Eds.), *International Handbook of Research on Environmental Education* (pp. 23–32). Routledge.
- Larsson, M-L. (2019). Legal Definitions of the Environment and of Environmental Damage. Stockholm Institute for Scandianvian Law 1957-2009.
- Last, J.M. (2001). Ethics, politics and public health. *Int J Epidemiol*, 30(2), 187-188.
- Lavigne, J., & Faier-Routman, J. (1992). Psychological adjustment to pediatric physical disorders: A meta-analytic review. *J Pediatr Psychol*, *17*, 133-157.
- Le Roux, K. (2001). *Environmental Education Processes*. *Active Learning in Schools*. 2nd Edition. University of Natal Press. Pietermaritzburg.
- Liefländer, A. K., Fröhlich, G., Bogner, F. X., & Schultz, P. W. (2013). Promoting connectedness with nature through environmental education. *Environmental Education Research*, 19(3), 370-384.
- Lindsay, G. (2003). Inclusive education: a critical perspective. *British Journal of Special Education*, 30(1), 3-12.
- Lindsay, G. (2007). 'Educational psychology and the effectiveness of inclusion/mainstreaming'. *British Journal of Educational Psychology*, 77, 1–29.

- Lovelock, J. (1986). Gaïa: the world as a living organism. *New Scientist*, 18, (12), 25-28.
- Lunt, I., & Norwich, B. (1999). Can Effective Schools Be Inclusive Schools? BedfordWay Series. London: Institute of Education.
- Massey, P., & Rose, S. (1992). Adventurous outdoor activities: a review and a description of a new service delivery package for clients with learning difficulties who have behaviours which challenge services or society. *Journal of Advanced Nursing*, 17(12), 1415-1421.
- McDougall, J., King, G., deWit, D.J., Miller, L.T., Hong, S., Offord, D.R., LaPorta, J., & Meyer, K. (2004). Chronic physical health conditions and disability among Canadian school-aged children: a national profile. *Disabil Rehabil*, 26(1), 35-45.
- McKeown-Ice, R. (2000). Environmental education in the United States: a survey of preservice teacher education programs. *Journal of Environmental Education*, 32, (1), 4-11.
- Meichtry, Y., & Smith, J. (2007). The impact of place-based professional development program on teacher's confidence, attitudes, and classroom practices. Merriam.
- Miles, J.C. (1991). *Teaching in Wilderness*. <u>The Journal of Environmental Education</u>, 22 (5), 5-9.
- Miles, M., & Covin, J. (2000). "Environmental Marketing: A Source of Reputational, Competitive, and Financial Advantage". *Journal of Business Ethics*, 23(3): 299-311.
- Minnesota Department of Children, Families and Learning and Trends Through. (2001). Roseville, MN.
- Molosiva, A. (2010). The extent to which teachers infuse and integrate emerging issues in some selected subjects at senior secondary level schools in Botswana. *Procedia Social and Behavioural Sciences*, 9, 943-947.
- Morin, E. & Kern, B. (1993). Terre-Patrie. Paris: Seuil.
- Moseley, C., & Utley, J. (2008). An exploratory study of preservice teachers' beliefs about the environment. *The Journal of Environmental Education*, 39 (4), 15-29.
- Murdoch, K. (1993). Ideas for Environmental Education. ITP Nelson. Australia.
- Mutisya, S.N & Baker, M. (2011). Pupils' environmental awareness and knowledge: a springboard for action in primary schools in Kenya's Rift Valley. *Science Education International*, 22 (1), 55-71.

- NAAEE. (2004). Guidelines for the Preparation & Professional Development of Environmental Educators. NAAEE Publications and Membership Office, Rock 92 Spring: GA.
- NATIONAL CURRICULUM COUNCIL (NCC). (1990). Curriculum Guidance 7: environmental education. York, National Curriculum Council.
- North American Association for Environmental Education (NAAEE). (1993).

 Environmental Issue Forum A Guide to Planning and Conducting

 Environmental Issues Forums and Study Circles. Troy, Ohio: NAAEE.
- Norwich, B. (2008). What future for special schools and inclusion? Conceptual and professional perspectives. *British Journal of Special Education*, *35*(3), 136-143.
- O' Donoghue, R.B. & McNaught, C. (1991). Environmental education: The development of a curriculum through "grass-roots" reconstructive action. International Journal of Science Education, 13(4), 391-404.
- O'Brien, L. (2009). Education 3-13: Learning outdoors: the Forest School approach.

 International Journal of Primary, Elementary and Early Years Education,
 37(1), 45–60.
- OECD. (2000). Special Needs Education. *Statistics and Indicators*, 7. Paris: OECD/CERI.
- OECD. (2005). Students with Disabilities, Learning Difficulties and Disadvantages: statistics and indicators. Paris: OECD/CERI.
- OECD. (2007). Students with Disabilities, Learning Difficulties and Disadvantages: statistics and indicators. Paris: OECD/CERI.
- Official Journal of the European Communities. (2001). *DECISION No 2455/2001/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL* of 20

 November 2001 establishing the list of priority substances in the field of water policy and amending Directive2000/60/EC.
- Oncu, E.C., & Unluer, E. (2015). <u>Environmental views and awareness of preschool</u> teacher candidates. *Procedia-Social and Behavioral Sciences*, 174, 2653-2657.
- Orr, D. (1992). *Ecological literacy, education and the transition to a postmodern world*. New York: State of New York Press.
- Ozden, M. (2008). Environmental awareness and attitudes of student teachers: an empirical research. *International Research in Geographical and Environmental Education*, 17 (1), 40-55.

- Palmer, J. & Neal, P. (1994). *The handbook of environmental education*. London: Routledge.
- Palmer, J. (1998). Environmental Education for the 21st Century. London: Routledge.
- Palmer, J. A. (1998). Environmental education in the 21st century: theory, Practice, Progress and Promise. London: Routledge.
- Panneton, F. (1994). Formation relative à l'environnement: Design de formation d'un module de formation en gestion environnementale intégrée à l'intention des décideurs de la PME. Rapport de recherche, Maîtrise en sciences de l'environnement sous la direction de Lucie Sauvé, Université du Québec à Montréal.
- Parlo, A.T., & Butler, M.B. (2007). Impediments to environmental education instruction in the classroom: A post-workshop inquiry. *International Journal of Environmental & Science Education*, 2(1), 32-37.
- Passarelli, A., Hall, E., & Anderson, M. (2010). A Strengths-Based Approach to Outdoor and Adventure Education: Possibilities for Personal Growth. *Journal of Experiential Education*, 33(2), 120-135.
- Passy, R. (2014). School gardens: Teaching and learning outside the front door. International Journal of Primary, Elementary and Early Years Education, 42(1), 23-38.
- Pike G. & Selby, D. (1990). *Global teacher, global learner*. Toronto: Hodder and Stoughton.
- Plevyak, L., Bendixen-Noe, M., Henderson, J., Roth, R., & Wilke, R. (2001). Level of teacher preparation and implementation of EE: Mandated and non-mandated EE teacher preparation states. *Journal of Environmental Education*, 32 (2), 28-36.
- Potter, T. G., & Henderson, B. (2004). Canadian outdoor adventure education: Hear the challenge Learn the lessons. *Journal of Adventure Education and Outdoor Learning*, 4(1), 69-87.
- Powers, A. L. (2004). Teacher preparation for environmental education: Faculty perspectives on the infusion of environmental education into preservice methods courses. *The Journal of Environmental Education*, *35* (3), 3-9.
- Price, A. (2015). Improving school attendance: can participation in outdoor learning influence attendance for young people with social, emotional and behavioural difficulties? *Journal of Adventure Education and Outdoor Learning*, 15(2), 110-122.

- Pyle, R.M. (2002). Eden in a vacant lot: special places, species, and kids in the neighbourhood of life. MIT Press, Cambridge, Massachusetts.
- Rickinson, M., Dillon, J., Teamey, K., Morris, M., Choi, M. Y., Sanders, D., & Benefield, A. (2004). *A review of research on outdoor learning*. National Foundation for Educational Research and King's College London.
- Robottom, I. & Hart, P. (1993). *Research in Environmental Education*. Geelong, Australia: Deakin University Press.
- Robottom, I.M. (1982). 'What Is: Environmental Education as Education about the Environment'. Paper presented at the Second National Conference of the Australian Association for Environmental Education, Brisbane.
- Robottom, I.M. (1983). *The Environmental Education Project Evaluation Report*. Curriculum Development Centre. Canberra/Deakin University, Victoria.
- Ruether, S. (2018). *Barriers to Teachers' Use of Environmentally-Based Education in Outdoor Classrooms*. Dissertation Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy Education Walden University.
- Ruiz, J. R. (1994). Grass-roots education and the environmental dimension of development. Environmental Training, *Newsletter of the Environmental Training Network for Latin America and the Caribbean*, 5(11), 10-13.
- Russell, C. L., Bell, A. C., & Fawcett, L. (2000). Navigating the waters of Canadian environmental education. *Weaving connections: Educating for peace, social and environmental justice*, 196-217.
- Rynders, J. E., Schleien, S. J., & Mustonen, T. (1990). Integrating children with severe disabilities for intensified outdoor education: Focus on feasibility. *Intellectual and Developmental Disabilities*, 28(1), 7-14.
- Salter, C.F. (1994). *European Environmental Law*. International Environmental Law and Policy Series.
- Sauvé, L. (1994). Pour une éducation relative à l'environnement. Montréal/Paris: Guérin/Eska.
- Sauvé, L. (1996). Environmental Education and Sustainable Development: A Further Appraisal. Canadian Journal of Environmental Education, 1, 7-34.
- SCAA. (1996). Teaching Environmental Matters Through the National Curriculum. London: SCAA.

- Scott, W.M., & Oulton, C. (1998). Environmental Values Education: an exploration of its role in the school curriculum, *Journal of Moral Education*, 27(2), 209-224, DOI: 10.1080/0305724980270206.
- Sethusha, M.J. (2006). 'How primary school learners conceptualize the environment and environmental education'. Master thesis in Environmental Education. In the Department of Curriculum Studies At the Faculty of Education University of Pretoria.
- Shah, H.A. (2004). Saw Kajian Tentang Penyepaduan Pendidikan Alam Sekitar Dalam Kurikulum Di Kalangan Guru Pelatih Makab Perguruan. Matters thesis. Universiti Malaysia Sabah.
- Shuman, D., & Ham, S. H. (1997). Toward a theory of committment to environmental education teaching. *Journal of Environmental Education*, 28 (2), 25-33.
- Simmons, D. (1998). Using natural settings for environmental education: perceived 93 benefits and barriers. *Journal of Environmental Education*, 29 (3), 23-31.
- Smith, C. R. (1998). *Learning disabilities: the interaction of learner, task, and setting.*Boston, Allyn and Bacon.
- Smith-Sebasto, N., & Smith, T. L. (1997). Environmental education in Illinois and Wisconsin: A tale of two states. *Journal of Environmental Education*, 28 (4), 26-36.
- Sosu, E.M., McWilliam, A., & Gray, D. (2008). The complexities of teachers' commitment to environmental education: A mixed methods approach. *Journal of Mixed Methods Research*, 2(2), 169-189.
- Spence, E., Wright, T., & Castleden, H. (2013). Present, absent, or tardy? A study of barriers, bridges, and beliefs concerning environmental education among a cohort of sixth grade teachers in nova scotia. *Applied Environmental Education and Communication*, 12(3), 197-206.
- Stamou, M. (2007). Greek primary school teachers' understanding of current environmental issues: an exploration of their environmental knowledge and images of nature. *Wiley Peridicals, Inc. Sci Ed.*, *91*, 244-259.
- Stanišić, J., & Maksić, S. (2014). Environmental education in Serbian primary schools: Challenges and changes in curriculum, pedagogy, and teacher training. *The Journal of Environmental Education*, 45(2), 118-131.
- Stapp, W. 1969. The concept of environmental education. *Journal of Environmental Education 1* (1), 33–35.

- Stapp, W. B., Bull, J.(1989). *Education in action A community problem solving program for schools*. Dexter, Michigan: Thompson-Shore Inc.
- Stavrianos, A., & Spanoudaki, A. (2015). The Impact of an Environmental Educational Program of a School Garden on Pupils with Intellectual Disabilities—A Comparative Approach. *Open Journal of Social Sciences*, *3*, 39-43.
- Sterling, S. (2004). An analysis of the development of sustainability education internationally: evolution, interpretation and potential transformation. In: Blewitt, John, Cullingford, Cedric (Eds.), *The Sustainability Curriculum: The Challenge for Higher Education*. Earthscan.
- Stevenson, R. B. (2007). Schooling and environmental sustainability education: From discourses of policy and practice to discourses of professional learning. *Environmental Education Research*, *13* (2), 265 283.
- Sullivan, P.M., & Knutson, J.F. (2000). Maltreatment and disabilities: a population-based epidemiological study. *Chil Abuse Negl, 10*, 1257-1273.
- Tailloires (1990). *Tailloires Declaration*. Retrieved March 20, 2010, from http://www.ulsf.org/talloires declaration.html.
- Tanner, R.T. (1974). *Ecology, Environment and Education*. Lincoln, Nebraska: Professional Educators Publications.
- Taylor A., Wiley A., Kuo F., & Sullivan W. (1998). Growing Up in the Inner City: Green spaces as places to grow. *Environmental Behavior*, 30(1), 3–27.
- Tbilisi. (1977). Intergovernmental Conference on Environmental Education. Final Report. Unesco/UNEP.
- Tbilisi. (2012). *Tbilisip35 a History of Education for Sustainable Development*. Ministry of Environment Protection of Georgia.
- Teksoz, T.G., Boone, J. W., Yilmaz Tuzun, O., & Oztekin, C. (2014). An evaluation of the environmental literacy of preservice teachers in Turkey through Rasch analysis. *Environmental Education Research*, 20(2),202-227.
- The Ontario Curriculum. (2017). Environmental Education Scope and Sequence of Expectations. Grades 1-8 and The Kindergarten Program. Ministry of Education's website. Retrieved May 28, 2020 from www.ontario.ca/edu.
- Thomas, G. & Loxley, A. (2001). *Deconstructing Special Education and Constructing Inclusion*. Maidenhead: Open University Press.
- Thomas, G., & Vaughn, M. (2004). *Inclusive Education: a reader*. Maidenhead: Open University Press.

- Tilbury, D. (1995). Sustainability Environmental Education for Sustainability:

 Defining the New Focus of Environmental Education in the 1990s.

 Environmental Education Research, 1, 195-212.
- Toth, M. (2002). *Mediul inconjurator in educatie: educatia ecologica, educatia pentru mediu sau educatia privind mediul?* Cluj Napoca: Editura Studium.
- Turnbull, H., Huerta, N., & Stowe, M. (2004). *The Individuals with Disabilities Education Act as Amended in 2004*. Upper Saddle River, New Jersey: Pearson Education, Inc.
- U.S. Depart. of Education. (2000). Prohibited disability harassment: Reminder of responsibilities under Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act. Washington, DC: Office for Civil Rights.
- UNCED. (1992). *Agenda 21. Chapter 36, para 3*. Retrieved March 20, 2010, from http://www.un-documents.net/a21- 36.htm.
- UNECE. (2005). *UNECE Strategy for Education for Sustainable Development*. United Nations. CEP/AC.13/2005/3/Rev.1.
- UNEP. (1972). Declaration of the United Nations Conference on the Human Environment. Retrieved March 20, 2010, from http://www.unep.org/Documents.Multilingual/Default.asp?documentID¹/₄97& ArticleID¹/₄ 1503.
- UNEP. (2010). Climate Change Factsheet. Retrieved March 28, 2010, from http://www.unep.org/climatechange/.
- UNESCO. (1994). *The Salamanca Statement and Framework for Action on Special Needs Education*. World Conference on Special Needs Education: Access and Quality, Salamanca, Spain, 7-10 June 1994. Paris: UNESCO.
- UNESCO. (1997). Thessaloniki Declaration UNESCO-EPD-97KONF.40 lKLD.2 12. Retrieved April 20, 2010, from http://resources.spaces3.com/f49d326a-5930-45cf-a9ef-4d23a0670a6d.pdf.
- United Nations (2007). Convention on the Rights of Persons with Disabilities.

 Retrieved March 20, 2010, from https://www.un.org/development/desa/disabilities/convention-on-the-rights-of-persons-with-disabilities-2.html.

- United Nations Convention on the Rights of Persons with Disabilities (UNCRPD). (2016). "General Comment No. 4 Article 24: Right to Inclusive Education." Retrieved May 28, 2020, from http://www.refworld.org/docid/57c977e34.html.
- Vadnal, K. (2007). Zeleni programi socialnega varstva v Sloveniji Analiza stanja "So Far" projekt (Socialne storitve na večnamenskih kmetijah). Univerza v Ljubljani Biotehniška fakulteta, Oddelek za agronomijo.
- Van den Berg, A. (2012). *Health benefits of nature*. Retrieved June 2, 2020, from http://badm.au.dk/fileadmin/Business_Administration/CV/ keynote.pdf (17.5.2017).
- Verma, G., & Dhull, P. (2017). ENVIRONMENTAL EDUCATION AS A SUBJECT IN SCHOOLS. *Int. J. Adv. Res.* 5(8), 1547-1552.
- Vernot, A. (1989). Construcción de la nueva pedagogía, *Ecológica*, 3, 13-15.
- Volk, T.L., Hungerford, H.R., & Tomera, A.M. (1984) 'A National Survey of Curriculum Needs as Perceived by Professional Environmental Educators'. *The Journal of Environmental Education*, 16 (1) 10–19.
- Vygotskij, L.S. (1987). *Osnovi defektologije*. Zavod za udžbenike i nastavna sredstva, Beograd.
- Waite, S., & Pratt, N. (2011). Theoretical perspectives on learning outside the classroom: relationships between learning and place. *Children Learning Outside the Classroom*, 1-34.
- Wallander, J.L., & Varni, J.W. (1998). Effects of pediatric chronic physical disorders on child and family adjustment. *J Child Psychol Psychiatry*, *39*, 29-46.
- Wals, A.E.J., & Blewitt, J. (2010). Third-wave sustainability in higher education, some (inter)national trends and developments. In: Jones, P., Selby, D., Sterling, S. (Eds.), Sustainability Education: Perspectives and Practice across Higher Education (pp. 55–74). Earthscan, London, UK,
- Wang, H.L. (2009). Should All Students with Special Educational Needs (SEN) BeIncluded in Mainstream Education Provision? A Critical Analysis.International Education Studies, 2(4), 154-161.
- WCED. (1988). Our Common Future, Report of the World Commission on Environment and Development. Oxford University Press, Oxford, England.
- Wells, N.M., & Evans, G.W. (2003). Nearby Nature: A buffer of life stress among rural children. *Environment and Behavior*, *35*(3), 311–330.
- Wilson, R. (2012). Nature and Young Children: Encouraging Creative Play and Learning in Natural Environments. New York, Routledge.

- Wilson, R. A. (1994). Integrating outdoor/environmental education into the special education curriculum. *Intervention in School and Clinic*, 29(3), 156-159.
- Winther, A. A., Volk, T. L., & Shrock, S. A. (2002). Teacher decision making in the 1st year of implementing an issues-based environmental education program: A qualitative study. *The Journal of Environmental Education*, 33 (3), 27-33.
- Witt, W.P., Riley, A.W., & Coiro, M.J. (2003). Childhood functional status, family stressors, and psychosocial adjustment among schoolaged children with disabilities in the United States. *Arch Pediatr Adolesc Med*, *157*, 687-95.
- Wolwick, P. (2014). Environmental Education in Sweden. *Environmentalist*, 13 (3), 221-227.
- Woolley, H. (2006). *Inclusion of disabled children in primary school playgrounds*. London: Joseph Rowntree Foundation.
- World Health Organisation. (2002). International Classification of Functioning,
 Disability and Health: Towards a Common Language for Functioning,
 Disability and Health. WHO: Geneva, Switzerland.
- World Health Organization (2011). *World Report on Disability*. Geneva: World Health Organization.
- Young, H., & Shah, H. (2008). Our Global Future: Questioning Education. DEA.
- Yueh, L. (2010). An International Approach to Energy Security. <u>Global Policy</u>, <u>1(2)</u>, 216-217.
- Zak, K. M., & Munson, B. H. (2008). An exploratory study of elementary preservice teachers' understanding of ecology using concept maps. *The Journal of Environmental Education*, 39 (3), 32-46.

Ελληνική

- Ζώνιου-Σιδέρη, Α. (1998). Οι ανάπηροι και η εκπαίδευσή τους. Μια ψυχοπαιδαγωγική προσέγγιση της ένταζης (4η έκδοση). Αθήνα: Ελληνικά Γράμματα, 68-69.
- Καλαντζής, Κ. Γ. (1985). Διδακτική των ειδικών σχολείων. Για νοητικά καθυστερημένα παιδιά. Αθήνα: Καραβίας-Ρουσσόπουλος, 22-23.
- Καλαντζής, Κ. (1984). Η ειδική αγωγή χτες και σήμερα. (Γενική κριτική θεώρηση-Επισημάνσεις Νέοι Προσανατολισμοί). Νέα Παιδεία, 32, 60.
- Εηρομερίτη-Τσακλαγκάνου, Α. (1984). Ιστορικά σημεία και σύγχρονα προβλήματα της ειδικής αγωγής στην Ελλάδα. Σύγχρονη Εκπαίδευση, 19, 12.
- Εηρομερίτη, Α. (1994). Ειδική Αγωγή: Τα επόμενα 15 χρόνια. Στο Μ. Καΐλα, Ν. Πολεμικός & Γ. Φιλίππου (Επιμελητές έκδοσης). Άτομα με ειδικές ανάγκες. Τόμος Β΄, 616-622. Αθήνα: Ελληνικά Γράμματα
- Εηρομερίτη, Α. (1997). Ειδική Εκπαίδευση. Θεωρητικές αρχές-Ερευνητικά δεδομένα και Διδακτική παρέμβαση. Πάτρα: Εκδόσεις Πανεπιστημίου Πατρών, 61-73.
- Salah, L. (1997). Ο θετικός ρόλος των δασκάλων στη συνεκπαίδευση. Στο Τάφα, Ε. (Επιμελητής έκδοσης). Συνεκπαίδευση παιδιών με και χωρίς προβλήματα μάθησης και συμπεριφοράς (σελ. 55-70). Ελληνικά Γράμματα. Αθήνα.
- Τζουριάδου, Μ. (1997). Ο εκπαιδευτικός για τα παιδιά με ειδικές ανάγκες: Ειδικός ή ενσωματικός; Η Ευρωπαϊκή του διάσταση. Στο Ι.Μ. Βάμβουκας, & Γ. Χουρδάκης (Επιμελητές έκδοσης). Πρακτικά Ζ΄ διεθνούς συνεδρίου (σελ. 621-627). Αθήνα: Ελληνικά Γράμματα.
- Κρουσταλάκης, Γ. Σ. (1998). Παιδιά με ιδιαίτερες ανάγκες (3η έκδοση). Αθήνα (αυτοέκδοση), 12-13.
- Λουκέρης, Δ. (2000). Το μάθημα της Μελέτης του Περιβάλλοντος υπό το πρίσμα της Περιβαλλοντικής Εκπαίδευσης. Διδακτορική διατριβή, ΕΚΠΑ, Φιλοσοφική Σχολή, Τμήμα ΦΠΨ. Αθήνα.
- Λουκέρης, Δ. (2005). Περιβαλλοντική Εκπαίδευση: Θεωρία και Πράζη. Αθήνα: Αυτοέκδοση.