### Supplementary Materials: List of excluded articles and exclusion criteria (with a * those who were not located)

<table>
<thead>
<tr>
<th>Excluded article</th>
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<tr>
<td>[No author name available], &quot;ASCILITE 2012 - Annual conference of the Australian</td>
<td>Not addressed to teachers or educators</td>
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<tr>
<td>[No author name available], &quot;Informatics in Schools: Sustainable Informatics</td>
<td>Not about sustainability or sustainable</td>
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<tr>
<td>Education for Pupils of all Ages - 6th International Conference on Informatics</td>
<td>development</td>
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<tr>
<td>in Schools: Situation, Evolution, and Perspectives, ISSEP 2013, Proceedings&quot;,</td>
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<tr>
<td>2013.</td>
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<tr>
<td>[No author name available], &quot;International Conference on Knowledge Society:</td>
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<tr>
<td>[No author name available], &quot;Proceedings of the International Conference on</td>
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<td>Computers in Education 2005: &quot;Towards Sustainable and Scalable Educational</td>
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<tr>
<td>Innovations Informed by the Learning Sciences&quot;: - Sharing Research Results</td>
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<tr>
<td>Abereijo I.O., &quot;Entrepreneurship education: Opportunities, challenges and future</td>
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<tr>
<td>directions&quot;, 2018.</td>
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<td>Abildsnes E., Stea T.H., Berntsen S., Omfjord C.S., Rohde G., &quot;Physical</td>
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<td>education Teachers’ and public health Nurses’ perception of Norwegian high</td>
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<td>school Students’ participation in physical education - a focus group study&quot;,</td>
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<td>2015.</td>
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<td>Abou-Warda S.H., &quot;New educational services development: Framework for technology</td>
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<td>entrepreneurship education at universities in Egypt&quot;, 2016.</td>
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<td>Abro S.R., Cuper J., &quot;Hands- on manufacturing engineering - An analytical study&quot;,</td>
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<td>2011.</td>
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<td>Adams D., &quot;Lifelong learning skills and attributes: The perceptions of Australian</td>
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<tr>
<td>Ahmed S., Sclafani A., Aquino E., Kala S., Barias L., Eeg J., &quot;Building student</td>
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<td>capacity to lead sustainability transitions in the food system through farm-</td>
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<td>based authentic research modules in sustainability sciences (FARMS)&quot;, 2017.</td>
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<tr>
<td>*Allan M., Chisholm C.U., &quot;Achieving Engineering Competencies in the Global</td>
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<td>Information Society through the Integration of On-Campus and Workplace</td>
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<td>Allan M., Chisholm C.U., &quot;The development of competencies for engineers within a</td>
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<td>Allen S.S., Miller J., Ratner E., Santilli J., &quot;The educational and financial</td>
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<td>impact of using patient educators to teach introductory physical exam skills&quot;,</td>
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<td>2011.</td>
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<tr>
<td>Alsina A., Mula I., &quot;Advancing towards a transformational professional competence</td>
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<td>model through reflective learning and sustainability: The case of mathematics</td>
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<td>Álvarez-Nieto C., Richardson J., Parra-Anguita G., Linares-Abad M., Huss N.,</td>
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<td>digital educational materials for nursing and sustainability: The results of</td>
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<td>an observational study&quot;, 2018.</td>
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<td>Andenoro A.C., Bletscher C.G., &quot;Transforming the international learning</td>
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<td>experience for students: Moving beyond the principle of accompaniment&quot;, 2012.</td>
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<td>Anderson C.I., Gupta R.N., Larson J.R., Abubars O.I., Kwiecien A.J., Lake A.D.,</td>
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<td>Hozain A.E., Tanious A., O'Brien T., Basson M.D., &quot;Impact of objectively</td>
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<td>assessing surgeons’ teaching on effective perioperative instructional behaviors&quot;,</td>
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<td>*Andić D., Vorkapić S.T., &quot;Interdisciplinary approaches to sustainable development</td>
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<td>in higher education: A case study from Croatia&quot;, 2014.</td>
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*Arora A.S., "The “organization” as an interdisciplinary learning zone: Using a strategic game to integrate learning about supply chain management and advertising", 2012.


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<tr>
<th>Name(s)</th>
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<tr>
<td>Handayani S., Umi Mintarti S., Megasari R., Omar N.</td>
<td>&quot;Developing of STEM-based learning models for economic education student for facing Industry revolution 4.0 in East Java&quot;</td>
<td>2020</td>
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<td>Harding G., Taylor K.M.G.</td>
<td>&quot;Extemporaneous preparation teaching in UK schools of pharmacy: Anachronism or badge of office?&quot;</td>
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<td>Harding K.E., Shields N., Whiteside M., Taylor N.F.</td>
<td>&quot;A Great First Step into Research&quot;: Stepping into research is an effective and sustainable model for research training in clinical settings a report of 6-year outcomes</td>
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<td>Hartoyo, Laras D., Soenarto</td>
<td>&quot;Survey on Integration of Expertise Competency Test into Teacher Certification Program of Productive Vocational Teachers&quot;</td>
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<td>Haselberger D., Motschnig R.</td>
<td>'Computer science students' experience of reflecting on team leadership - A case study of a student-centered course on communication'</td>
<td>2019</td>
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<td>Hasna A.M.</td>
<td>&quot;Embedding sustainability in capstone engineering design projects&quot;</td>
<td>2010</td>
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<td>Hassanpour B., Atun R.A., Ghaderi</td>
<td>&quot;From words to action: Incorporation of sustainability in architectural education&quot;</td>
<td>2017</td>
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<td>Heartfield M., Gibson T.</td>
<td>&quot;Mentoring for nurses in general practice: national issues and challenges.&quot;</td>
<td>2005</td>
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<td>Holdsworth S., Thomas L.</td>
<td>&quot;A sustainability education academic development framework (SEAD)&quot;</td>
<td>2016</td>
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<td>Howley P., Roberts T.</td>
<td>&quot;Engaging school students and educators with the practice of statistics&quot;</td>
<td>2020</td>
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<td>Husanu I.N.C., Ertekin Y., Chiou R., Mauk M.G.</td>
<td>&quot;The contribution of capstone projects in green/renewable energy areas to growth of the engineering curriculum in global sustainable development&quot;</td>
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<td>Hytynen P., Keltikangas K.</td>
<td>&quot;Tools and inspiration for engineering education development through stakeholder cooperation&quot;</td>
<td>2015</td>
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<td>Idowu P.</td>
<td>&quot;Quest for a perfect power engineering program&quot;</td>
<td>2003</td>
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<td>Ilieva N., Boiadjieva E.</td>
<td>&quot;Design of an educational technology in engineering ecology&quot;</td>
<td>2017</td>
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<td>*Iliško D., Ignatjeva S.</td>
<td>&quot;The use of information and communication technologies by secondary school teachers for developing a more sustainable pedagogy in latvia&quot;</td>
<td>2015</td>
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<td>*Iskakova M.O.</td>
<td>&quot;Training future teachers in the context of sustainable development&quot;</td>
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<td>Jaeger M., Adair D.</td>
<td>&quot;Two consecutive project-based learning engineering design courses - An analysis of portfolio assessment results&quot;</td>
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<td>Jalilah Yusof I., Abdul Latif A., Che Derasid N.A., Md Jani M.D.</td>
<td>&quot;Research literacy level of education postgraduate research students using rasch measurement model&quot;</td>
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<td>Jamieson M.V., Shaw J.M.</td>
<td>&quot;Teaching engineering for a changing landscape&quot;</td>
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*Nilkkham T., Pinyoanantapong B., Wongchantra P., "A study and promotion of attributes of environmental educators for bachelor’s degree students", 2011.
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Ranieri M., Bruni I., "Promoting digital and media competences of pre-and in-service teachers. Research findings of a project from six European countries", 2018.


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