Antonio Mondaca-Soto

CaixaBank Dualiza Centre for Knowledge and Innovation Paseo de la Castellana, 189, 28.046 Madrid, Spain E-mail: **amondacas.dualiza@caixabank.com**

* Corresponding author

Abstract: The aim is to provide an in-depth review of the scientific literature on VET for Sustainable Development (SD). To this end, qualitative and quantitative studies will be analysed to provide a theoretical and empirical approach to sustainability in the field of VET. VET for SD seeks a new type of development, not based on growth, but on new forms of work because of new forms of production, consumption and relationship with the environment (Goldney et al., 2007). It is not only important to be aware of natural limitations but also to learn and experience sustainability by working with VET schools and companies in terms of sustainability (Grawth et al., 2018). However, this approach is not only marginal but has been devalued after burning the term at the declarative level and making little progress at the curricular, operationalisation and organisational levels (Fien et al., 2009; Hemkes and Melzig, 2021).

Keywords: VET for Sustainable Development, Sustainability, Green Transition

Biographical notes:

Dr Monica Moso-Diez is the Head and Principal Investigator of the R&D unit of a private non-profit foundation, Spain. Her research interests focus on innovation in the VET system at both organisational and contextual (socio-economic and political) levels. Her main research projects are about: (1) Spanish regional VET systems in terms of smart specialization (RIS3), (2) VET system as an innovation ecosystem and sustainability; and (3) VET indicators (Spanish VET Observatory).

MSc. Antonio Mondaca-Soto is a Senior Researcher in the R&D unit of a private non-profit foundation, Spain. His research interests focus on quantitative methodologies and statistical analysis in the field of VET. His fields of interest are education, data and indicator visualization. His work currently focuses on Spanish VET Observatory.

Training of Future Professionals in Vocational Education for Responsible Consumption and Production

Tetiana Derkach

Kyiv National University of Technologies and Design Department of Professional Education in Technologies and Design Nemyrovycha-Danchenka Street, 2, 01011 Kyiv, Ukraine E-mail: <u>derkach.tm@knutd.com.ua</u>

Yana Shuhailo*

Kyiv National University of Technologies and Design Department of Professional Education in Technologies and Design Nemyrovycha-Danchenka Street, 2, 01011 Kyiv, Ukraine E-mail: <u>shugaylo.yv@knutd.edu.ua</u>

* Corresponding author

Abstract. The garment industry is one of the biggest polluters in the world. Clothing quickly becomes textile waste because of the rapid change in fashion trends. Greenpeace says that 95% of clothing can be reused. Future professionals in vocational education minoring in garment technology study methods of optimising the materials use and reducing waste in new products manufacturing. However, training in textiles upcycling is essential to solving the problem of clothes that have been used and gone out of fashion. Appropriate competence has to be formed. Students need to know the benefits and risks of upcycling, and possible techniques which can be used for it. It is important to form a positive attitude toward upcycling. To realise these goals, students create upcycling projects while studying professional disciplines in KNUTD. A survey was conducted to understand the upcycling behaviour of KNUTD students. 93 students took part in it. The combination model of theory of interpersonal behaviour and theory of planned behavior was used. The results indicate a positive attitude towards upcycling practices. Half of the respondents engage in upcycling once a year, the other half every 3 months or more often. But undergraduate students are not aware of the benefits of upcycling. So, further work needs to be carried out so future vocational education professionals will consciously use environmental standards in their activity.

Keywords: vocational education, upcycling, behavior.

Biographical notes:

Prof. Dr. **Tetiana Derkach** is the head of the department of professional education in technologies and design at the Kyiv national university of technologies and design, Ukraine. Her main areas of research: the preferred learning styles of students, cognitive load, the effectiveness of e-learning resources, project-based learning, sustainable development, vocational education.

Yana Shuhailo is a PH.D. in pedagogy, as.prof. of the department of professional education in technologies and design at the Kyiv national university of technologies and design, Ukraine. Her main areas of research: vocational education, creativity development, media education, project-based learning.

Knowledge, subjective norm, attitudes, awareness and behaviour of Malaysian Vocational College Students towards Fashion Education Sustainability.

Arasinah Kamis*, arasinah@ftv.upsi.edu.my

Sarimah Ab Bedor, Rahimah Jamaluddin, Faizal Amin NurYunus, Windhihastuti, Pedro Luis Yturria Motenegro

Abstract: In line with the needs of the current industry which requires employees in the field of Technical Vocational Education & Training (TVET) to be prepared in terms of knowledge regarding sustainability when stepping into the world of work afterwards and able to address challenges in relation to sustainability issues. Students' awareness should be consistently increased through the application of knowledge, attitudes and behaviors towards environmental