



# Journal of *Theoretical and Applied Electronic Commerce Research*

**Special issue topic:**

## **Technological Entrepreneurship, Internationalization of High-Tech Companies, and International e-Business**

Dear Colleagues!

Recently, more and more attention has been paid to the recognition of firms according to the level of their technological advancement. On this basis, we can isolate so-called high-tech firms, also defined as high technology firms. Steenhuis and Bruijn (2006) proposed four dimensions of the use of the high-tech technology (i) industry based, (ii) firm based, (iii) product based and (iv) life-cycle based. Therefore, we can talk about the high-tech industry, high-tech firms and high-tech products and the categories are interrelated and imply each other. The essence of high-tech enterprises is superbly reflected by the specific features of these firms, distinguishing them from others. The significance of high-technology, including high-tech enterprises, for the economic growth of a country is quite obvious. In the literature of the subject there is a common agreement that innovativeness, knowledge, technologies, human capital, and specifically, the fundamental elements making up the core of high-tech enterprises, are causative forces of long-term changes in economy (Nadiri, 1993; Coe and Helpman, 1995; Bassanini, Scarpetta and Hemmings, 2001; Khan & Lunitel, 2006). Technology-based firms, particularly these operating in high-tech industries, operate in a deep inter-relationship amongst the processes of internationalization, innovation and entrepreneurship (Onetti et al. 2012). Recently many scholars focus on the issues surrounding the internationalisation of activities in the high-tech industry, focusing on technology-based born globals (Daszkiewicz, 2019) or innovation behaviour of high-tech industries (Wach, 2016; Liu et al. 2019). The problem of the key role of high-tech firms operating across borders seems to belong to the mainstream of research currently.

Therefore, the goal of this special issue in *Journal of Theoretical and Applied Electronic Commerce Research* is to advance theoretical and applicative research in all fields of technological entrepreneurship and internationalization of high-tech firms. As such, the special issue offers a venue for papers that help increase our understanding of how specific is international business in high-tech industries.

### **Topics**

The Special Issue welcomes contributions in the following topics, but is not limited to them:

- Internationalization of high-tech businesses
- International entrepreneurship in high-tech industries
- Internationalization of high-tech industries
- Innovation and R&D in international business
- Internationalization of R&D in multinational corporations
- Internationalization of pharmaceutical and biotech companies
- Technological entrepreneurship and e-entrepreneurship

- Social media and digital marketing in international business
- International e-business, international e-commerce, international e-marketing
- Electronic commerce in international trade
- Cross cultural management and diversity in international e-commerce

### Recommended readings:

Bartosik-Purgat, M. (2019). Digital Marketing Communication from the Perspective of Individual Consumers: A Cross-Country Comparison. *Entrepreneurial Business and Economics Review*, 7(3), 205-220. <https://doi.org/10.15678/EBER.2019.070311>

Bigos, K., & Michalik, A. (2020). The influence of innovation on international new ventures' exporting in Central and Eastern Europe and Central Asia countries. *Entrepreneurial Business and Economics Review*, 8(3), 47-63. <https://doi.org/10.15678/EBER.2020.080303>

Bigos, K., & Wach, K. (2021). Product innovation as the cause for export propensity in the Caucasus: Empirical evidence for Armenia, Azerbaijan and Georgia. *Central Asia and the Caucasus*, 22(2).

Daszkiewicz, N. (2019). Internationalisation Patterns of Polish Family High-Tech Firms. *Entrepreneurial Business and Economics Review*, 7(4), 147-163. <https://doi.org/10.15678/EBER.2019.070409>

Fischer, E., and A. R. Reuber (2011). Social Interaction via New Social Media: (How) Can Interactions on Twitter Affect Effectual Thinking and Behavior?. *Journal of Business Venturing*, 26(1), 1–18.

Isensee, C., Teuteberg, F., Griese, K. M., & Topi, C. (2020). The relationship between organizational culture, sustainability, and digitalization in SMEs: A systematic review. *Journal of Cleaner Production*, 122944.

Jafari-Sadeghi, V., Garcia-Perez, A., Candelo, E., & Couturier, J. (2021). Exploring the impact of digital transformation on technology entrepreneurship and technological market expansion : The role of technology readiness, exploration and exploitation. *Journal of Business Research*, 124(2021), 100–111. <https://doi.org/10.1016/j.jbusres.2020.11.020>

Jafari Sadeghi, V., & Biancone, P. Pietro. (2018). How micro, small and medium-sized enterprises are driven outward the superior international trade performance? A multidimensional study on Italian food sector. *Research in International Business and Finance*, 45, 597–606. <https://doi.org/10.1016/j.ribaf.2017.07.136>

Liu, Y., Kim, J., & Yoo, J. (2019). Intangible Resources and Internationalization for the Innovation Performance of Chinese High-Tech Firms. *Journal of Open Innovation: Technology, Market and Complexity*, 5(3), 52. <https://doi.org/10.3390/joitmc5030052>

Onetti, A., Zucchella, A., Jones, M.V., & McDougall-Covin, P.P. (2012). Internationalization, innovation and entrepreneurship: business models for new technology-based firms. *Journal of Management Governance*, 16, 337–368. <https://doi.org/10.1007/s10997-010-9154-1>

Wach, K. (2016). Innovative Behaviour of High-Tech Internationalized Firms: Survey Results from Poland. *Entrepreneurial Business and Economics Review*, 4, 3, 153-165. <https://doi.org/10.15678/EBER.2016.040311>

Wach, K., Głodowska, A., & Maciejewski, M. (2018). Entrepreneurial Orientation, Knowledge Utilization and Internationalization of Firms. *Sustainability*, 10(12), 4711. <http://dx.doi.org/10.3390/su10124711>

So, let us focus on the technological entrepreneurship and internationalization of high-tech firms in this Special Issue.

Prof. dr. Krzysztof Wach

Prof. dr. Agnieszka Głodowska

*Guest Editors*

### Keywords

high-tech industries, internationalization of high-tech businesses, e-entrepreneurship, technological entrepreneurship, e-business, e-commerce, e-trade, e-economy, international business, international entrepreneurship, internationalization innovation and R&D