

Special Issue

Technological Innovation and the Effect of Employment on Green Growth

Message from the Guest Editor

This Special Issue will pay attention to both the extent to which the investments in cleaner production can stimulate a job-creation process, and the role of knowledge spillover as a relevant channel supporting employment in a more sustainable context. The impact of innovation on employment is a complex economic topic. Indeed, new technologies destroy employment (displacement effect), but can also create employment (compensation effect). Moreover, new technologies could favour higher-skilled employees over the lower-skilled ones, by producing a skill-based technological change effect. Finally, the technological innovation could produce a job-polarization effect—new technologies substitute routine tasks, regardless of whether tasks are relative to cognitive or manual profile. This last effect leads to a reduction in the labour demand for middle-skilled people, while the labour demand for both high-skilled and low-skilled people increases. Theoretical and empirical contributions from the economics of innovation and patenting on innovation, employment, green economy, and relative public policies are welcome in this Special Issue.

Guest Editor

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