



## Technological Innovation and the Effect of Employment on Green Growth

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Deadline for manuscript submissions:

**closed (31 December 2020)**

### 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.





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