

Selected Papers On Comparative Tai Studies

Assessment of Technological Capabilities of OIC Countries

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For reviewing science and technology policies of a country, an advisable beginning point is a pragmatic evaluation of its current state in technology progress. An appropriate tool used to measure the technology progress is the composite index of technology achievement which enlightens the level of technological progress and the readiness of a country to participate in knowledge-based economy. Technology achievement index (TAI) assists a country to check status of its technological progress relative to others. In the current study, TAI 2014 of OIC member states (TAI-14-OIC) is developed to analyse the situation of technological progress of OIC countries. Countries have been ranked on the basis of TAI which stands on four pillars, namely, technology creation, diffusion of old innovations, diffusion of recent innovations and development of human skills. Ranking of countries in these dimensions on the basis of their indices is also presented. Comparative analysis of some S&T indicators of OIC countries with OECD countries is presented which should be very helpful for S&T policy makers in the OIC countries. Some concluding thoughts for development of technological capabilities in OIC countries are presented at end of the article.

Introduction

A FUNDAMENTAL CHANGE has emerged in the development and application of science and technology in the twentieth century that has affected every aspect of life, especially the fields of manufacturing, services, industry and agriculture. Resultantly, 'technology content' and 'intellectual component' are increasing very rapidly in every field (products, services, manufacturing etc.) which an entrepreneur desires

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