# Journal of Scientific & Industrial Research

**VOLUME 78** 

NUMBER 07

**JULY 2019** 

#### CONTENTS

## **Management & Information Technology**

403 The Internationalisation of the Spanish Technological Sector Comparison with Other Sectors One of the strategies to be followed by companies in the global market is internationalisation, especially if they want to expand and become more competitive. For this, they must concentrate on products and services with higher added value. The incorporation of technological content is critical in this process. Therefore, the technology sector is one of those that haveactively opted for internationalisation. The case of Spain is analysed in this paper, a country in which 55% of its exports are of technological content.

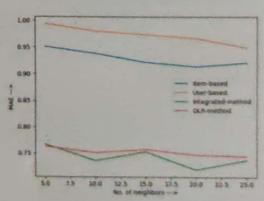
## N Araujo Vila, L Cardoso & V Pal Carril

408 Technology Function Analysis of Patent and Development Strategy for Robot Visual Servo The industrial robot applications range from vehicle, machinery, semiconductor, etc. The robot visual servo technology and its patents is one of the important areas. Also, the patent analysis is not only a prerequisite for enterprises in technology battle, but also the foundation to develop competitive strategy. This study aims to explore the function requirements, association between requirements and technology of robot visual servo to validate technology development strategy using patent effectiveness approach.

## ZY Lee, SJ Lee & Grace TR Lin

411 Hybrid Cohort Rating Prediction Technique to leverage Recommender System

The long tail of diverse consumption of resources online by the customers raises a challenge for the e-commerce websites and service providers. Recommender system offers a vigorous way to cope up with the aforementioned challenge. In this paper, we have proposed a hybrid cohort rating prediction technique which relies on high cohort users and high cohort items to make predictions. Our model significantly improves the retention of recommender system showing encouraging results when compared with existing traditional recommender systems.



R Dhanalakshmi & B B Sinha

