



Editorial Introduction

This issue of the *Independent Journal of Management & production (IJM&P)* features a selection of articles submitted and revised until March 2020. Observe the works are the fruit of research and publications of undergraduate, postgraduate and entrepreneurs.

It is important to mention that all the works are showed without any kind of payment. All of them are published free from payments or taxes.

The publication also counts on the work of researchers from various parts of the world, which have undergone a process of peer review.

As chief editor of *IJM&P*, I am indebted to all members of the editorial board and reviewers, which contributed to achieve a very decent job during the evaluation and revision. Moreover, that they have contributed to the Journal in recognition of the international scientific community.

In addition, with all the authors, who trusted the results of their research and publications to the scrutiny of editors and reviewers who are part of our Journal.

On July 20, 2018, the journal was notified via E-mail of its indexing and abstracted in: *Emerging Sources Citation Index (ESCI)*, *Clarivate Analytics - Web of Science - Thompson Reuters*. With the availability of journal data on August 20, 2018.

The Table 1 presents how our collaborators, by their categories of study and sex are.



Table 1: Distribution of users by degree

	<i>Dr. Ph.D.</i>	<i>MSc.</i>	<i>Dr./Ph.D. Student</i>	<i>MSc. Student</i>	<i>Specialist</i>	<i>Professors</i>	<i>Students</i>	<i>Others</i>	<i>Total</i>
<i>Male</i>	1,138	277	258	61	38	32	70	114	1,988
<i>Female</i>	428	120	138	21	13	2	54	29	805

From the data provided in Table 1 on the distribution users by titration, Figure 1 shows the percentage of each titration.

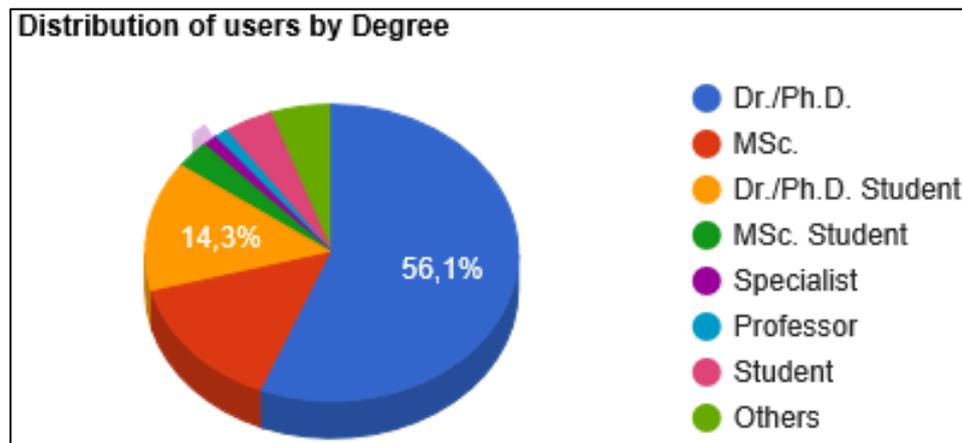


Figure 1: Distribution chart for degree

The Table 2 shows the preview data and journal access, since its creation in 2010.

Table 2: views by volume/number

<i>Year</i>	<i>Country</i>	<i>Cities</i>	<i>Access</i>	<i>Users</i>	<i>Viewers</i>
2010	25	75	340	181	5,474
2011	75	343	1,510	1,024	12,942
2012	83	444	2,187	1,406	15,499
2013	118	1,208	11,946	6,006	71,264
2014	146	1,978	17,440	10,503	68,340
2015	147	2,307	23,017	14,460	96,735
2016	162	2,911	26,654	17,847	112,928
2017	184	4,078	37,171	27,129	109,535
2018	190	5,220	57,157	44,400	187,729
2019	194	4,750	55,825	42,873	158,101
2020	185	3,759	33,761	25,853	107,999

In the period from January, 01 to May, 31 2020, the journal was accessed by approximately 107,999 users, of approximately 3,759 cities and 185 countries, in the Figure 2 is presented the map mundi, in which can be observed the countries of where was originating the access (GOOGLE, 2020).



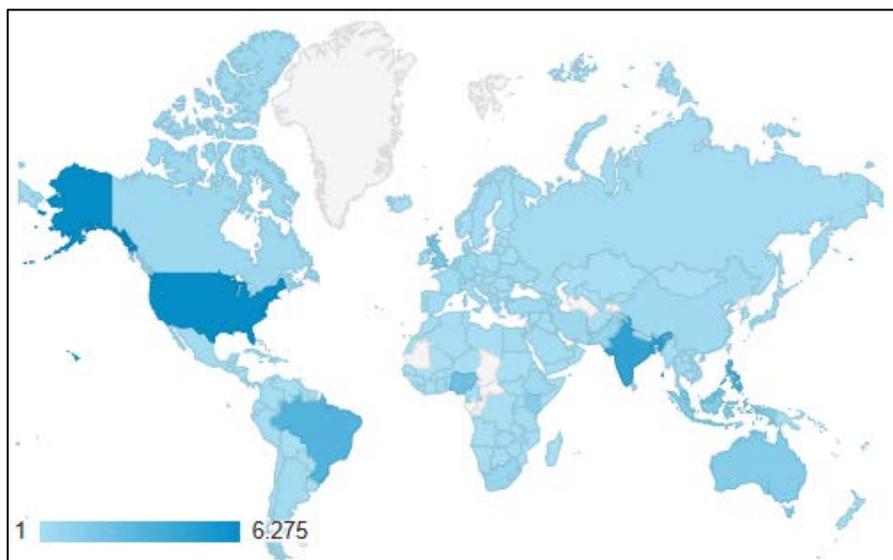


Figure 2: Countries that have accessed the journal

In Figures 3, 4, 5, 6, 7, 8, 9, 10 and 11 is shown a graph of the amount of hits that the journal received between January 1, 2014 and March 31, 2020; these data are based on information provided by the Google analytics.

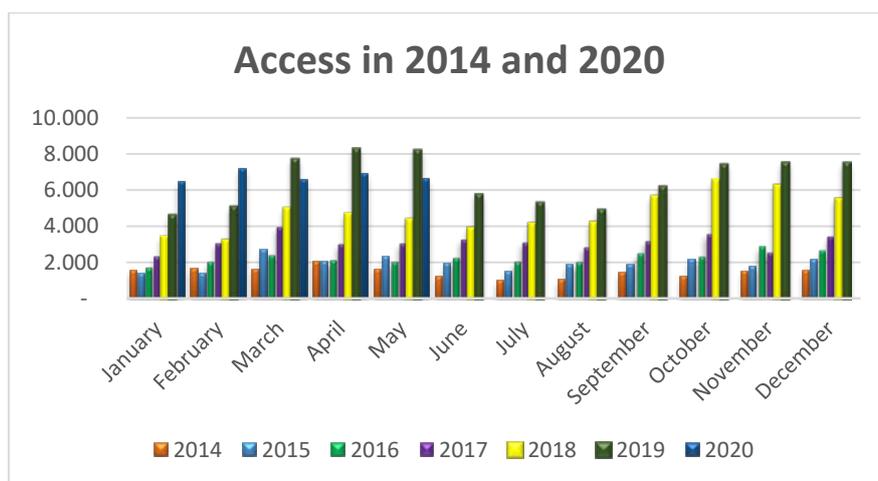


Figure 3: amount of hits between 2014 and 2020

The Figure 4 shows the comparison of the number of cities, around the world, that have accessed the journal.

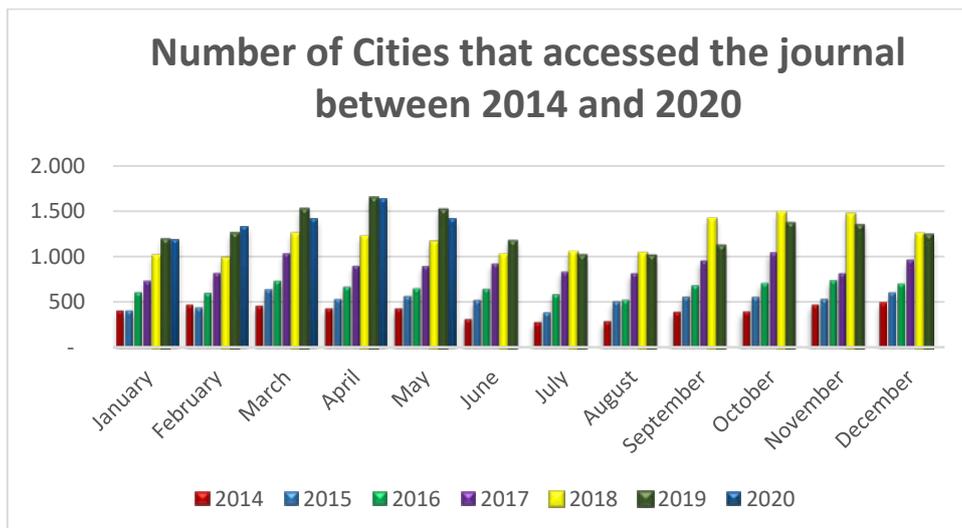


Figure 4: Amount of cities between 2014 and 2020

The Figure 5 shows the averages of views on the journal in the period between the years of 2014 and 2020.

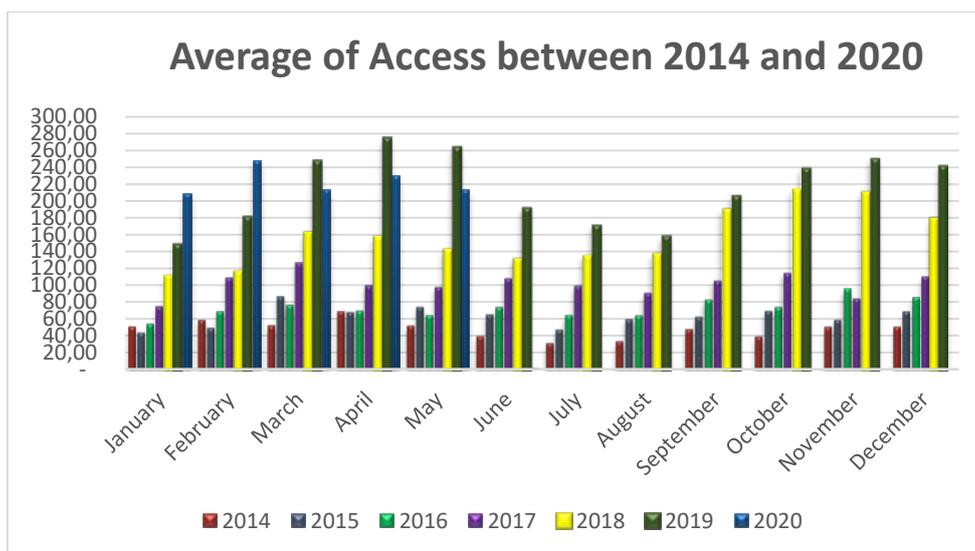


Figure 5: Amount of average between 2014 and 2020

The Figure 6 shows the comparison of the number of countries, around the world, that have accessed the journal.



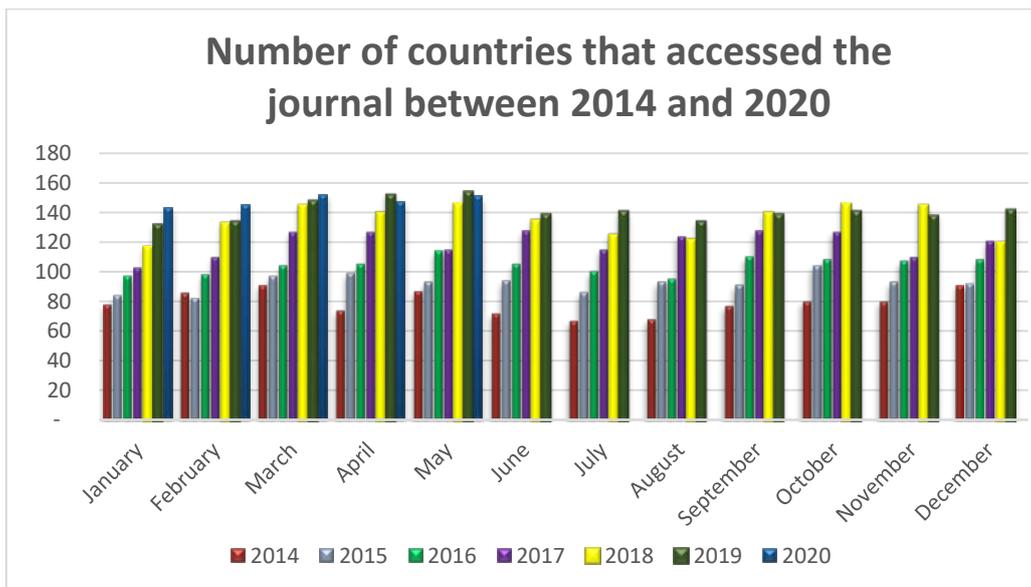


Figure 6: Amount of countries between 2014 and 2020

The Figure 7 shows the comparison of the number of users, around the world, that have accessed the journal.

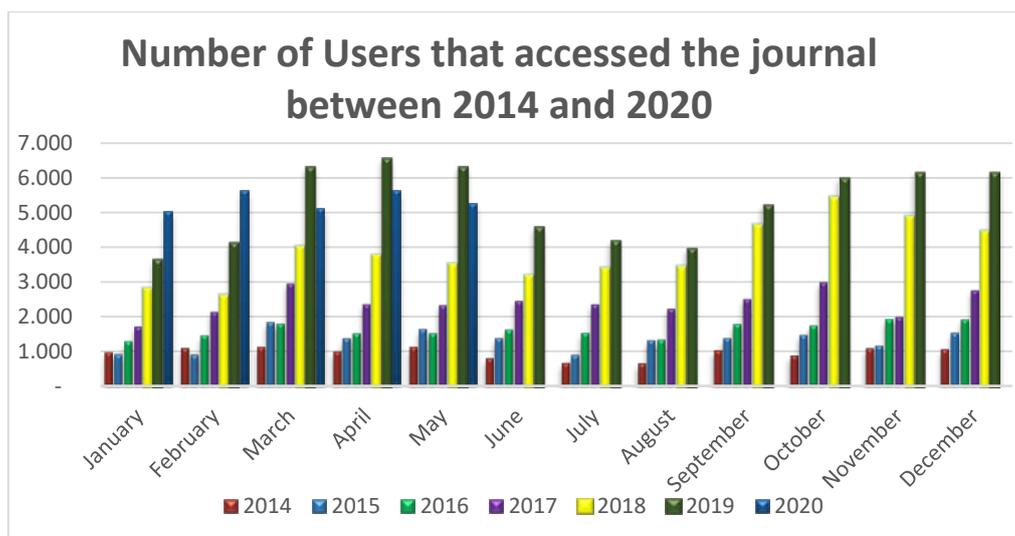


Figure 7: Amount of users between 2014 and 2020

The Figure 8 shows the comparison of the number of viewers, around the world, that have accessed the journal.



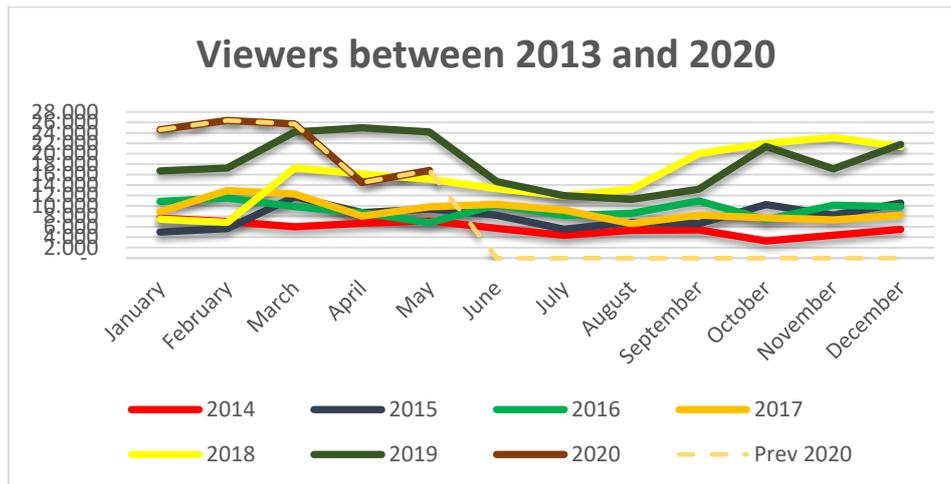


Figure 8: Amount of Viewers between 2013 and 2020

Figure 9 shows the overall evolution accumulated in the 12 months, as well as the visualizations between the years of 2013 and 2020 and that can be compared with Figure 8.

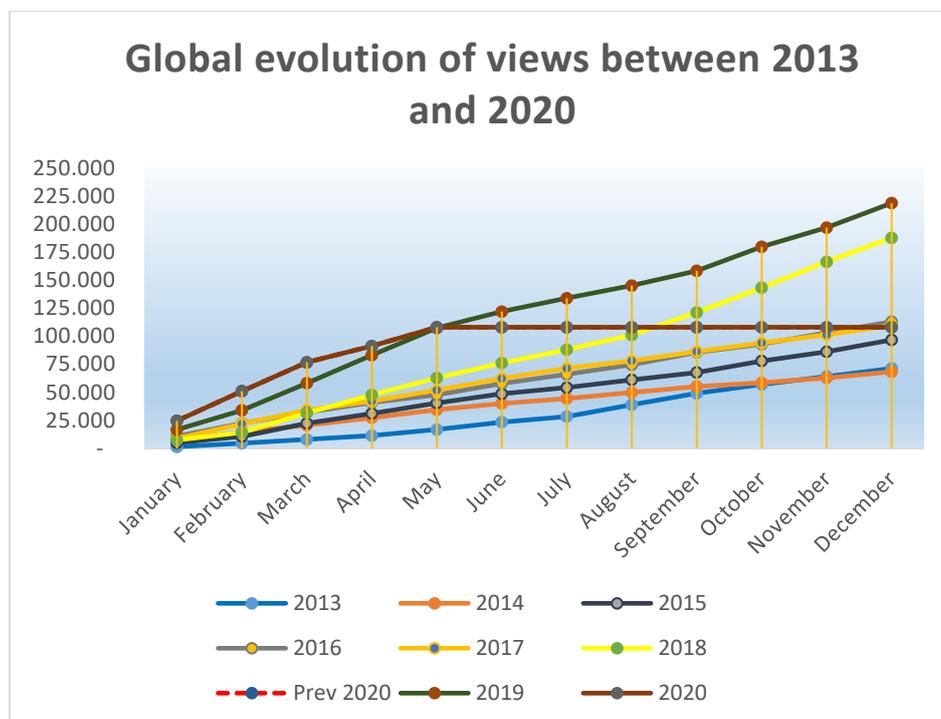


Figure 9: Global evolution of views between 2013 and 2020

Figure 10 shows the evolutionary chart of resolutions address the articles registered in Crossref since 2014, which is based on monthly report. This graph can be seen the evolution of the journal has achieved.



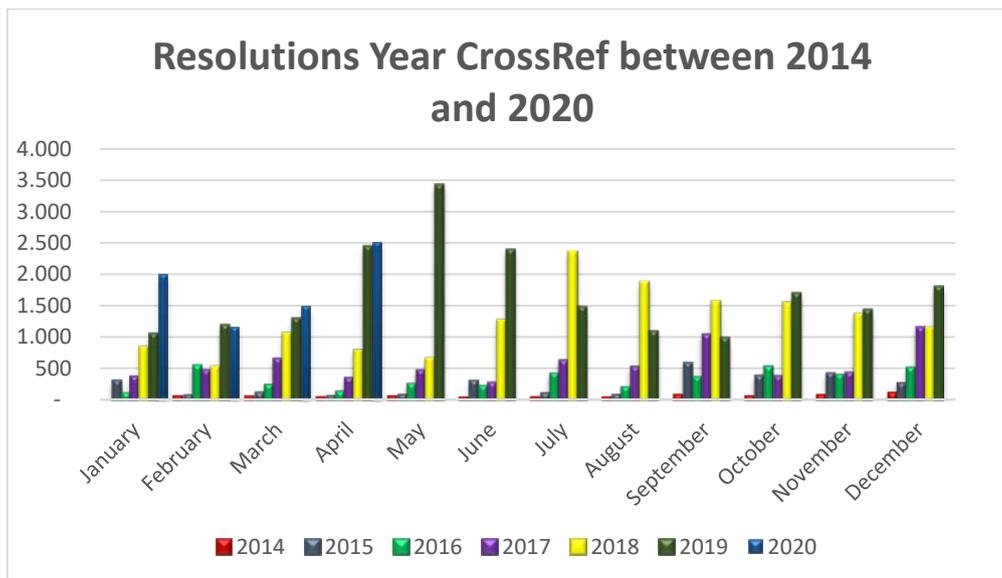


Figure 10: Resolution Report for prefix 10.14807 from between 2014 and 2020

We appreciate the intense participation of all colleagues, which has made our journal become a place of wide dissemination of knowledge.

The following content will be presented with the titles, authors and the pages of all of the articles published in this edition issue.

EDITORIAL VOLUME 11, ISSUE 3 (1110-1118)

Paulo Cesar Chagas Rodrigues

DOI: <http://dx.doi.org/10.14807/ijmp.v11i3.780>

ABOUT THE INTERNAL COMBUSTION ENGINES FORCES (807-832)

Relly Victoria Virgil Petrescu, Florian Ion Tiberiu Petrescu

DOI: <dx.doi.org/10.14807/ijmp.v11i3.930>

VALUE CO-CREATION: A STUDY OF LIFE QUALITY AT AN UNIVERSITY IN THE SOUTH BRAZIL (833-852)

Maicon da Silva, Luis Carlos Alves da Silva, Flávio Régio Brambilla

DOI: <dx.doi.org/10.14807/ijmp.v11i3.1026>

DEVELOPING AN INNOVATIVE CULTURE IN ARGENTINEAN SME (853-879)

Leandro Adolfo Viltard, Mario Nicolás Acebo

DOI: <dx.doi.org/10.14807/ijmp.v11i3.1064>

IMPLEMENTATION OF A LOW COST HANDS FREE WHEELCHAIR CONTROLLER (880-891)

Chadi Fouad Rimam

DOI: <dx.doi.org/10.14807/ijmp.v11i3.1056>



SIMULATION AND ANALYSIS OF QUEUES IN BANKS: A CASE STUDY OF AN AGENCY IN THE SOUTHERN STATE OF RIO DE JANEIRO (892-907)

Tulio Cremonini Entringer

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1074](https://doi.org/10.14807/ijmp.v11i3.1074)

GEOMETRIC BROWNIAN MOTION: AN ALTERNATIVE TO HIGH-FREQUENCY TRADING FOR SMALL INVESTORS (908-927)

Eder Oliveira Abensur, Davi Franco Moreira, Aline Cristina Rodrigues de Faria

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1114](https://doi.org/10.14807/ijmp.v11i3.1114)

MULTI OBJECTIVE FUZZY INVENTORY MODEL WITH DETERIORATION, PRICE AND TIME DEPENDENT DEMAND AND TIME DEPENDENT HOLDING COST (928-944)

Satya Kumar Das, Sahidul Islam

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1083](https://doi.org/10.14807/ijmp.v11i3.1083)

ANALYSIS OF BUSINESS SYSTEMS AND AUTOMATION; THE APPLICATION OF THE ORIGINAL WEB PLATFORM FOR START-UP ENTREPRENEURIAL ENDEAVORS (945-966)

Marko Ranković, Velimir Dedić, Nikola Pavlović, Milena P. Ilić

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1116](https://doi.org/10.14807/ijmp.v11i3.1116)

NEW NATURAL ANTIOXIDANTS (967-997)

Florian Ion Tiberiu Petrescu, Rely Victoria Virgil Petrescu, Eleni Mimi Buzea

DOI: [dx.doi.org/10.14807/ijmp.v11i3.938](https://doi.org/10.14807/ijmp.v11i3.938)

ASSOCIATION OF WORK-LIFE BALANCE AND JOB SATISFACTION IN COMMERCIAL PILOTS: A CASE STUDY OF PAKISTAN (998-1017)

Mariyam Malik, Musarrat Shamshir, Khurram Khan

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1061](https://doi.org/10.14807/ijmp.v11i3.1061)

FACTORS AFFECTING ONLINE PURCHASE INTENTION: THE CASE OF E-COMMERCE ON LAZADA (1018-1033)

Phuong Viet Le-Hoang

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1088](https://doi.org/10.14807/ijmp.v11i3.1088)

COMPARATIVE STUDY OF HYBRID FIBER CEMENTITIOUS COMPOSITES (1034-1049)

Maria Idrees

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1081](https://doi.org/10.14807/ijmp.v11i3.1081)

THE RELATIONSHIP BETWEEN AESTHETICS, PERCEIVED VALUE AND BUYING INTENTION: A LITERATURE REVIEW AND CONCEPTUAL FRAMEWORK (1050-1069)

Phuong Viet Le-Hoang

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1076](https://doi.org/10.14807/ijmp.v11i3.1076)



FACTORS DETERMINING THE MARKETING STRATEGIES OF CONSTRUCTION FIRMS: CONSTRUCTION PROFESSIONALS' PERSPECTIVE (1070-1095)

Imoleayo Abraham Awodele, Adesoji Anthony Adegboyega, Onyinye Sofolahan, Abdullahi Adamu, Kenneth John Saidu

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1068](https://doi.org/10.14807/ijmp.v11i3.1068)

APPLICATION OF MATRIX IMPORTANCE-PERFORMANCE IN THE MAINTENANCE SECTOR OF AN HIGHER EDUCATION INSTITUTION (1096-1109)

Lenize Danette de Oliveira, Jéssica da Silva Haubert, Alexandre Sakis, Cleimar da Silva Machado, Bruno Miranda Dos Santos

DOI: [dx.doi.org/10.14807/ijmp.v11i3.1108](https://doi.org/10.14807/ijmp.v11i3.1108)

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Prof. Dr. Paulo Cesar Chagas Rodrigues
Editor in Chief

