

Change-Management is Still Prolific Subject to Business Management: A Biblio-Profile from 2019- 2000

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Abstract

Original Research Article

Aim of the research: This is a retrospective and theoretical study to evaluate the productivity of change-management aspects of a subject to the business community through the literature produced and published in journals enlisted to the Scopus-Elsevier database from 2000-2019. **Methods/Approach:** The study material downloads in comma-separated value (CSV) with note-paid files and to store and tabulated in MS Excel for examination. There were six objectives set to examine: Quantity and types of publications, the language of documents, total participation and affiliation of authors with their countries, top-cited records, and classification of the published data of documents set as objectives. **Results:** Total 1721 documents downloaded to investigate, 1686 forms existing on 11 academic formats, covers six disciplines, written in twelve languages by 4311 authors affiliated with 86 countries included to examine the subjects reflect as a change-management from 2019–2000. **Conclusion:** This study reflects that the sensitivity of the discipline of change-management took importance in the academic world situated in the developed world to under-developed countries to change the business scenario.

Keywords: Bibliometric, change-management, management, business, workplace.

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INTRODUCTION AND LITERATURE REVIEW

The word change-management affected people working with and in any organization in every capacity. It is not a word, but this is a process of changes; changes in the terminology of work, changes in strategies to get results, changes in the financial methodologies, changes in stages to evaluate the project implementations, changes in the environmental psychologies of the human resources, and changes in the approaches and definitions of business analysis.

An exciting study designed to explore change management's effectiveness on professional employees' attitudes toward the libraries, museums, and archival institutions of Croatia by Dukic, G [1]. The study received 242 employees' responses and found that after occurring the change in management, they felt a mildly positive attitude to perceive success. Callinan, M [2] introduced a suitable model to evaluate the process of operating efficiency, knowledge management and its transfer, mode of communications, perception, and culture of an organization, and over-look the matters affiliated with risk management under the name of an environment system.

Hajri, I *et al.*, [3] focus on the product line modeling, which industrial management requires approaching product-specific development and testing in lines for use case-driven. This model methods support in variability, diagrams, and specifically in avoiding unnecessary traceability of other models. Alsanad, A., Chikh, A [4] agreed on the problems faced by the development sector in the name of change, and they further assure that dealing with this problem is not easy to avoid threats, which ultimately reduced the speed of success. Additionally, they proposed a comprehensive information technology-based model with a logical structure to get results accurately, efficiently, and quickly. Alqahtani, AA, *et al.*, [5] execute a qualitative survey in Kuwait's public schools to identify the concerns and factors of influences in organizations. Through the using of multi-sequential design, the result reveals that two broad terms; effective leadership and conflict management comes to the surface among group discussions.

In 2017, Al-Ali, AA *et al.*, [6] surveyed 210 public sector firms of the United Arab Emirates (UAE) to explore the impact of change management and leadership among the middle management respondents in organizational culture. The study finds that the

change-oriented administration in the hierarchy has a significant effect on an organization's insight. Victoria, GM *et al.*, [7] paid focuses on delivering and implementing healthcare management information systems in primary healthcare centers. They realized that change-management strategies designed and timely approach is more difficult to transform for success. Yeole, A., Kalbande, D.R [8] agreed with Victoria, G. M., and suggested to adopt internet of things technologies to transmit process gradually in the transmission of resources through the mode of operations.

Sulistiyan, E., Susanto, T.D [9] backed the arguments of failure and success of the practice and usage of information technologies to implement change management in the business's healthcare system. They provide a long list of steps in the identification of electronic characteristics imposed by authorities. Gupta, S [10], optimistic about the manufacturing industry's methodologies in the name of change-management to compete for the criteria and grow their businesses in a protective market. Bonanomi, M.M. [11] reached to step further and proposed applied process and implementations of change-management methodologies as a case study in a multidisciplinary firm to identify the changes model of assessing and visualization in organizational structure.

Potdar, A., Unnikrishnan, S., Singh, A [12] surveyed 166 Indian business organizations to know the mitigation framework on climate change management. Procurement badly affected by climate as a risk in supply chain management due to the related standards and rules, which required further consultation. Nuraliati, A *et al.*, [13] also provide the evidence with their explanatory research through a questionnaire that; how change-managements affect quality management

both positively and negatively. Svarre Kristensen, N *et al.*, [14] present a paper on balancing organizational change management process to create and change curriculum structure-based on action research in a new concept for facilitation and collaboration among faculty members in semester education. Kho, J *et al.*, [15] focused on providing change-management in telemedicine services, which enable them to get advice on diagnosis and treatments remotely. They applied for systemic review in the bibliographic databases of Web of Sciences, PubMed, and CINAHL from 2008 - 2019. Research finds that 16 articles are relevant to change-management strategic and operational aspects from 48 articles, which were downloaded and selected to examine.

METHODS/APPROACH

The study's data explored in journals enlisted to the Scopus-Elsevier database, download in comma-separated value (CSV) with note-paid file to store, and tabulated in MS Excel for examination. There were six objectives set to examine:

- Quantity and types of publications
- The language of documents
- Total participation and affiliation of authors with their countries
- Top-cited records
- Classification of the published data of documents set as objectives

RESULTS

Table-1 shows that total 1721 documents downloaded to evaluate and after examination, 1686 documents were set to investigate. Total 1686 documents written by 4311; 2.5% authors from 2000 - 2019.

Table-1: Documents downloaded for study on the subject change-management from 2000 – 2019

S.No	Years	Documents download	Documents excluded	Documents included to investigate	Total authors participates
1	Year 2019	133	3	130	408
2	Year 2018	99	0	99	288
3	Year 2017	142	2	140	342
4	Year 2016	120	3	117	310
5	Year 2015	118	2	116	304
6	Year 2014	91	3	88	207
7	Year 2013	114	3	111	296
8	Year 2012	109	2	107	277
9	Year 2011	80	0	80	206
10	Year 2010	96	1	95	263
11	Year 2009	106	4	102	261
12	Year 2008	100	2	98	255
13	Year 2007	82	1	81	174
14	Year 2006	90	1	89	235
15	Year 2005	53	1	52	121
16	Year 2004	41	1	40	76
17	Year 2003	50	3	47	96
18	Year 2002	30	1	29	57
19	Year 2001	39	2	37	89
20	Year 2000	28	0	28	46
Total		1721	35	1686	4311

Table-2 and Figure-1 describe the importance of the subject change-management; this study reveals twelve languages used to wrote 1686 documents. These documents segregated into eleven categories with further explanations that the publications produced in;

Articles 820, Conference Papers, 533, Book Chapters 131, Review articles 92, Editorials 27, Notes 25, Books 20, Short Surveys 20, Letters 8, Conference Reviews 5, and Erratum 5.

Table-2: Utilization of languages in documents published on the subject change-management from 2000 – 2019

S. No	Language	Documents	%
1	English	1578	93.5%
2	German	58	3.4%
3	French	15	0.8%
4	Chinese	12	0.7%
5	Spanish	9	0.5%
6	Portuguese	3	0.1%
7	Russian	3	0.1%
8	Croatian	2	0.1%
9	Italian	2	0.1%
10	Lithuanian	2	0.1%
11	Arabic	1	0.06%
12	Bosnian	1	0.06%
		1686	

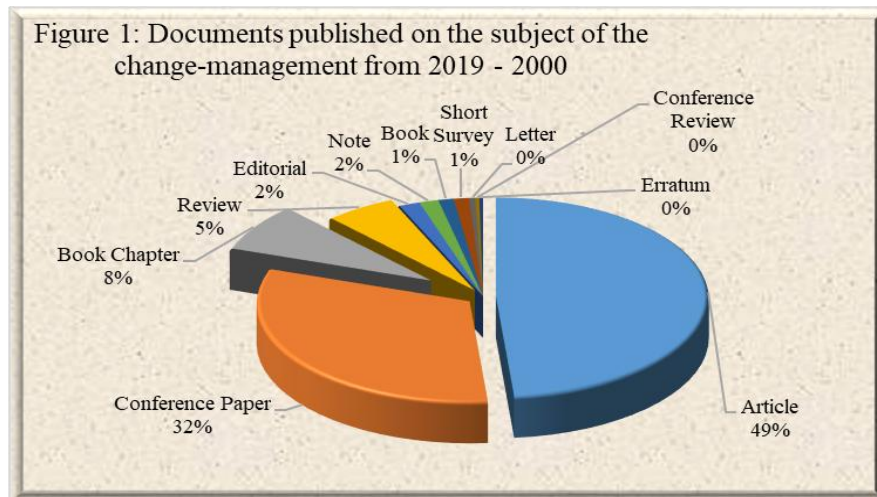


Fig-1: Documents published on the subject of the change-management from 2019-2000

We distributed data into seven categories of Dewey Decimal Classification (DDC). **Figure-2** describes that; a) Business, Management and Accounting 422, b) Computer Science 378, c) Decision Sciences 164, d) Economics, Econometrics, and Finance 89, e) Engineering 302, f) Nursing 42, g) Psychology 36, and h) Social Sciences 293 produced documents from 2019 – 2000. The study picked five articles that got above 300 citations published in random years, i) Pearce. C.L. and Sims Jr. H.P [16]. Vertical versus shared leadership as predictors of the effectiveness of change management teams: An examination of the aversive, directive, transactional,

transformational, and empowering leader behaviors 580, ii) Eick SG *et al.*, [17]. Does code decay? Assessing the evidence from change management data 367, iii) Kumar V *et al.*, [18]. Effect of community-based behavior change management on neonatal mortality in Shivgarh, Uttar Pradesh, India: a cluster-randomized controlled trial 325, IV) Dunne, D., and Martin R [19]. Design thinking and how it will change management education: An interview and discussion 317, and V) Aladwani A.M [20]. Change management strategies for successful ERP implementation 312 citations.

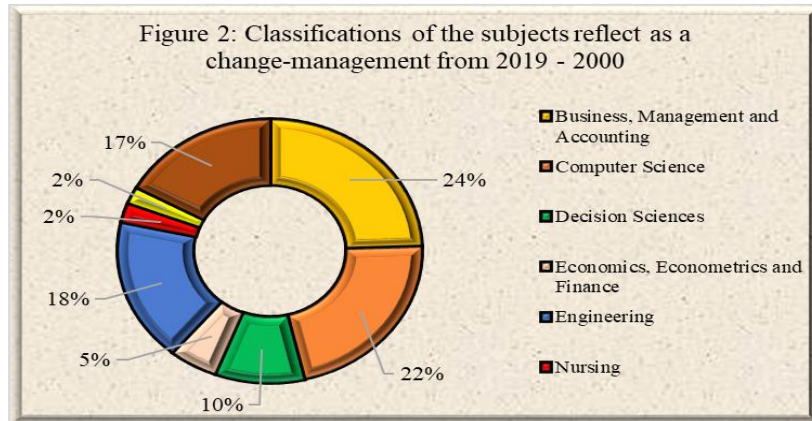


Fig-2: Classifications of the subjects as a change-management from 2019-2000

Figure-3 and Table-3 enlightens the authors' breakdown and contribution in writing the scripts of 1686 documents. Majority 1202; 71.2 documents

written collaboratively, and 484; 29% by single or solo authors.

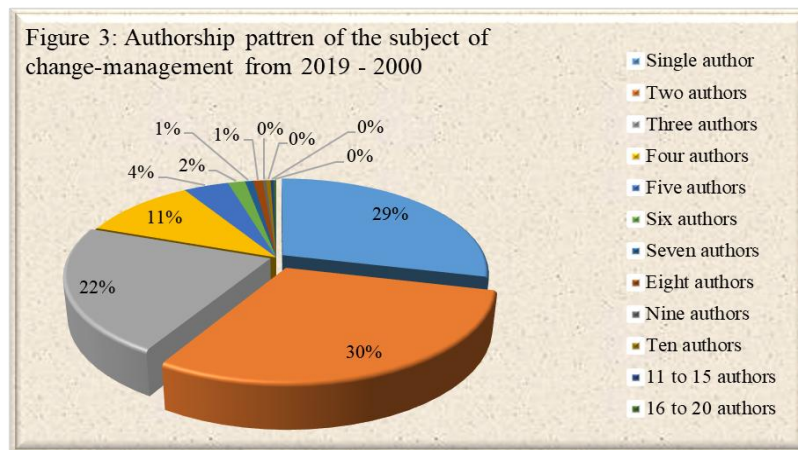


Fig-3: Authorship pattern of documents on the subject change-management from 2000 - 2019

Table-4: Authorship pattern of documents on the subject change-management from 2000 - 2019

Authors	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	Total	Total autho
Single author	23	24	40	27	25	30	30	34	18	21	29	29	30	26	1	2	1	1	1	1	484	484
Two authors	37	31	40	32	32	25	29	26	30	33	38	32	29	26	17	2	13	8	14	10	504	1008
Three authors	36	20	30	38	30	17	23	23	15	25	21	19	17	17	1	9	10	4	7	4	370	1110
Four authors	13	12	20	9	24	8	16	16	11	9	4	6	8	8	6	2	4	4	1		181	724
Five authors	5	4	8	5	4	6	7	5	1	3	3	7	1	7		1	1		3		71	355
Six authors	7	2	2	4		1	3	1	3		1	1		2							27	162
Seven authors		3					2			1	1	2		1	2	1					13	91
Eight authors	4	1				1	1	1	2	1	1		2	1							15	120
Nine authors	3				1						1										5	45
Ten authors	1			2						1	1	1							1		7	70
11 to 15 authors	1	1									2			1							5	55
16 to 20 authors		1						1		1		1									4	97
	130	99	140	117	116	88	111	107	80	95	102	98	81	89	52	40	47	29	37	28	1686	4321

Table-5 indicates that a total of 86 countries produced 1686 documents. Twenty countries participated in productivity by 1359; 56 countries created 80.6% of documents, and the remaining 327; 19.3%. Russian Federation and South Africa present 15 documents each. Austria, New Zealand, and Turkey 14 each. Saudi Arabia and South Korea 12 each. Denmark and Taiwan 11 each. Croatia, Latvia, and Singapore 9 each. Belgium, Indonesia, Japan, Norway, and Slovenia 8 each. Czech Republic, Hungary, and Israel 7 each. Colombia, Greece, Ireland, and Morocco 6 each. Hong

Kong, Kuwait, and Thailand 5 each. Chile, Ghana, Portugal, and Slovakia 4 each. Argentina, Estonia, Jordan, Peru, Philippines, Serbia, and United Arab Emirates 3 each. Algeria, Cuba, Ethiopia, Lithuania, Luxembourg, Mexico, Sri Lanka, Tunisia, Uganda, and Ukraine 2 each. Azerbaijan, Bahrain, Bangladesh, Bosnia and Herzegovina, Botswana, Cyprus, Egypt, Fiji, Kenya, Lebanon, Macau, Nigeria, Oman, Qatar, Uruguay, Viet Nam, and Venezuela present one document each.

Table-5: Affiliation of countries in production of documents from largest to lowest

S. No	Country name	Documents	%
1	United States of America	334	19.8%
2	United Kingdom	218	13%
3	Germany	156	9.2%
4	Australia	121	7.1%
5	Canada	93	5.5%
6	India	64	3.8%
7	China	63	3.7%
8	France	54	3.2%
9	Italy	39	2.3%
10	Malaysia	28	1.6%
11	Netherlands	25	1.4%
12	Pakistan	24	1.4%
13	Switzerland	23	1.3%
14	Romania	22	1.3%
15	Brazil	21	1.2%
16	Iran	18	1.0%
17	Finland	17	1%
18	Sweden	16	1%
19	Two countries present 15 documents	30	1.7%
20	Three countries 14 documents	42	2.4%
21	Poland	13	0.7%
22	Two countries present 12 documents	24	1.4%
23	Two countries present 11 documents	22	1.3%
24	Spain	10	0.5%
25	Three countries present 09 documents	27	1.6%
26	Not Clear	8	0.4%
27	Five countries present 08 documents	40	2.3%
28	Three countries present 07 documents	21	1.2%
29	Four countries present 06 documents	24	1.4%
30	Three countries present 05 documents	15	0.8%
31	Four countries present 04 documents	16	1%
32	Seven countries present 03 documents	21	1.2%
33	Ten countries present 02 documents	20	1.1%
34	Seventeen countries present 01 document	17	1%
	Total	1686	

DISCUSSION AND CONCLUSION

The workplace is a dynamic word for workers; this place can motivate or demotivate, encourage, or discourage all ideas, actions, and plans created by an employee or business owner. Management started to change the worker's venue from one place to another for boosting the energy, efficiency, effectiveness, and performance of workers. Management of any

organization adopted flexible strategies to get maximum benefits from minimum expenditures, the quantity of time, services, and tangible resources. In this study, we found that researchers' vast participation contributed and tried to cover-up all dimensions of the discipline of change management, a small component of business administration and management. 84.3 of documents published every year, and every 18 days of the calendar, one document wrote and came on an academic surface

in these twenty-years of the studied period. Conference papers are the most effective tool to gauge audience responsiveness, and research articles get attraction in-shape of citations from the people similar disciplines. The six classification areas of research cover every point of the subject change-management, because from the services sector to resource distribution change-management gated more importance in-facilitation of any project.

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