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Research productivity of All India Institute of Medical Sciences (AIIMS): A scientometric analysis
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Abstract

This study evinces the growth of research literature produced by AIIMS (All India Institute of Medical Sciences) for the period of 2007 to 2016. A total of 14410 records were retrieved from the Scopus database. Descriptive statistics for the research publication output revealed mean = 1441, Sd = 318.92, minimum = 1087, maximum = 2141 at 95.0% confidence level. The curve fitting methodology was used to fit the growth of research publication of AIIMS. R square value for exponential growth model is higher (0.908) than the linear growth model (0.849). Journals are identified as most preferred publication pattern (69.42%). The research output of top 20 department aggregates to 57.77% of total productivity. This study also identified the top 20 most preferred journals by the faculties of AIIMS and comparison was made with the previous study revealed Indian Journal of Pediatrics, Indian Journal of Medical Research, and Indian Pediatrics were the most preferred journals among the faculties. The observation of this study exhibits that AIIMS plays a vital role in reducing disease burden of India by means of quantitative and qualitative research publications. © 2018 Library Philosophy and Practice (e-journal).

Author Keywords

Bibliometrics; Medical education; Medical research; Scientometrics; Statistical analysis

References

- Bala, A., Gupta, B.M.
"Growth and Impact of Research Output of Government Medical College and Hospital, Chandigarh: a case study."
(2009) *Annals of Library and Information Studies*, 56, pp. 86-94.
- Bid, S.
"Indian Institute of Technology, Kharagpur: a scientometric study of research output."
(2016) *SSARSC International Journal of Library and Information Network and Knowledge*, 1, p. 1.
- Doja, A., Horsley, T., Sampson, M.
"Productivity in Medical Education Research: An Examination of Countries of Origin."
(2014) *BMC Medical Education*, 14 (1), pp. 1-9.
- Hasan, N., Singh, M.
"Research Output of Indian Institutes of Technology (IITs): A Scientometric Study."
(2015) *Journal of Knowledge & Communication Management*, 5 (2), p. 147.
- Hendrix, D.
"An Analysis of Bibliometric Indicators, National Institutes of Health Funding, and Faculty Size at Association of American Medical Colleges Medical Schools, 1997-2007."
(2008) *Journal of the Medical Library Association*, 96 (4), pp. 324-334.

- Jeys Shankar, R.
(2015) *Research Productivity of the scientists of Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam (Chennai): A Scientometric Analysis*, p. 16.
Library Philosophy and Practice
- Jeys Shankar, R.
(2015) *Research Productivity of the scientists of Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam (Chennai): A Scientometric Analysis*,
Library Philosophy and Practice, 0_1
- Jeys Shankar, R., Ramesh Babu, B., Rajendran, P.
(2011) *Research Output Of CSIR Central Electro Chemical Research Institute (CECRI): A Study*, p. 58.
Annals of Library and Information Studies
- Kaur, H., Mahajan, P.
"Comparative Evaluation of Research Output: AIIMS Vs PGIMER"
(2012) *DESIDOC Journal of Library & Information Technology*, 32 (6), pp. 533-538.
- Kumbar, M., Gupta, B.M., Dhawan, S.M.
"Growth and impact of research output of University of Mysore, 1996-2006: a case study."
(2008) *Annals of Library and Information Studies*, 55, pp. 185-195.
- Ma, Y., Dong, M., Zhou, K., Mita, C., Liu, J., Wayne, P.M.
"Publication Trends in Acupuncture Research: A 20-Year Bibliometric Analysis Based on PubMed."
(2016) *PLoS ONE*, 11 (12), pp. 1-15.
- Mahapatra, M.
On the validity of the theory of exponential growth of scientific literature
(1985) *Proceedings of the 15th IASLIC Conference*, pp. 61-70.
Bangalore
- Mishra, M., Sahu, M.C., Brahma, P.K.B.K., Mahapatra, R.K.
"A Bibliometric Study On Growth Of Research In An Indian Medical College" (2015)
Library Philosophy and Practice,
(e-journal). Paper 1275
- Prathap, G., Gupta, B.M.
"Ranking of Indian Medical Colleges for Their Research Performance."
(2011) *Annals of Library and Information Studies*, 58, pp. 203-210.
(September)
- Pudovkin, A., Kretschmer, H., Stegmann, J., Garfield, E.
"Research Evaluation. Part I: Productivity and Citedness of a German Medical Research Institution."
(2012) *Scientometrics*, 93 (1), pp. 3-16.
- Van Raan, A.
"Statistical Properties of Bibliometric Indicators,"
(2004) *Journal of the American Society for Information Science & Technology*, pp. 1-34.
- Senthil Kumar, R., Ulaganathan, G.
"Research productivity and citations of authors in All India Institute of Medical

Sciences, New Delhi: a study."

(2016) *Int. Jour. Law Hum. Rights Const. Stud*, 1 (1).

- Sharma, P., Gupta, B.M., Kumar, S.
"Application of Growth Models to Science and Technology Literature in Research Specialities."
(2002) *Power*, 22 (2), pp. 17-25.
- Sharma, R.M.
"Research Publication Trend among Scientists of Central Potato Research Institute: A Bibliometric Study"
(2009) *Annals of library and Information Studies*, 56, pp. 29-34.
(March)
- Sudhier, K.G.P., Priyalakshmi, V.
"Research publication trend among the scientists of Central Tuber Crops Research Institute (CTCRI), Thiruvananthapuram: a scientometric study."
(2013) *Annals of Library and Information Studies*, 60, pp. 7-14.
- Vellaichamy, A., Jeyshankar, R.
Publication Productivity of Pondicherry University Seen through Scopus: A Scientometric Study
(2015) *Journal of Advances in Library and Information Science*, 4 (2), pp. 113-119.
- Vellaichmy, A., Jeyshankar, R.
"Publication Productivity of Pondicherry University Seen through Scopus: A Scientometric Study"
(2015) *Journal of Advances in Library and Information Science*, 4 (2), pp. 113-119.
- Wani, Z.A., Hameed, O., Iqbal, A.
"Research Productivity of Medicos at All India Institute of Medical Sciences"
(2013) *International Journal of Information Dissemination and Technology*, 3 (2), pp. 107-113.
-
-
- Yazdani, K., Rahimi-Movaghar, A., Nedjat, S.
"A 5-Year Scientometric Analysis of Research Centers Affiliated to Tehran University of Medical Sciences."
(2015) *Med J Islam Repub Iran*, 29, p. 206.
2015 (26 April)
- Zhai, X., Cui, J., Shao, J., Wang, Q., Chen, X., Wei, X., Zhou, X., Li, M.
"Global Research Trends in Spinal Ultrasound: A Systematic Bibliometric Analysis."
(2017) *BMJ Open*, 7 (10), pp. 1-8.

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