

# Machine learning in antibacterial discovery and development: A bibliometric and network analysis of research hotspots and trends

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The screenshot shows a web browser window displaying a ScienceDirect article page. The browser's address bar shows the URL: <https://www.sciencedirect.com/science/article/abs/pii/S0010482523001038?via%3DIihub>. The page features a navigation menu on the left with links for 'Article preview', 'Abstract', 'Introduction', 'Section snippets', and 'References (68)'. The main content area displays the journal title 'Computers in Biology and Medicine' (Volume 155, March 2023, 106638) and the article title 'Machine learning in antibacterial discovery and development: A bibliometric and network analysis of research hotspots and trends'. The authors listed are Karel Diéguez-Santana and Humberto González-Díaz. Below the title, there are options to 'Add to Mendeley', 'Share', and 'Cite'. The abstract text begins with 'Machine learning (ML) methods are used in cheminformatics processes to predict the activity of an unknown drug and thus discover new potential antibacterial drugs. This article conducts a bibliometric study to analyse the contributions of leading authors, universities/organisations and countries in terms of productivity, citations and bibliographic linkage. A sample of 1596 Scopus documents for the period 2006–2022 is the basis of the study. In order to develop the analysis, bibliometric R-Tool and VOSviewer software were used. We determined essential topics related to the application'. The Windows taskbar at the bottom shows the system clock as 12:44 p.m. on 01/03/2023.