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Patent Search

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Abstract:

ABSTRACT A NETWORK-BASED VIRTUAL RESEARCH LABORATORY AND COLLABORATION PORTAL WITH WHICH BIOLOGICAL AND LIFE SCIENCES RESEARCH The method for development of the use of 5 a virtual laboratory, scientists from various physical places, each with their own specialization, data, and/or computer power, might effectively cooperate on ongoing projects rather than just during meetings. In practice, this kind of initiative would increase and combine resources, promote organized dialogue, and advance common objectives. We found 26 papers that were exclusively about the use of 10 virtual labs in biology teaching after doing a thorough review. Overall, the literature analysis showed that virtual laboratories are frequently employed for subjects that appear abstract. These cover themes related to cell and molecular biology, microbiology, genetics, and other useful subjects including anatomy and biotechnology. Thanks to virtual labs, remote learning has progressed from theoretical to practical sciences. While students 15 can perform their experiments remotely with virtual laboratories, assessing student achievement and cooperation with learning analytics presents difficulty. FIG.1

Complete Specification

Description: A NETWORK-BASED VIRTUAL RESEARCH LABORATORY AND COLLABORATION PORTAL WITH WHICH BIOLOGICAL AND LIFE SCIENCES RESEARCH

5 Technical Field

[0001] The embodiments herein generally relate to a method for a network-based virtual research laboratory and collaboration portal with which biological and life sciences research.

Description of the Related Art

10 [0002] Nearly every aspect of human existence is being affected by information and communication technology, and education is no exception. Additionally, there is a growing, reasonable desire to include more educational tools into the classroom given the current worldwide trend of acquiring twenty-first century learning abilities, where one of the primary aims is digital literacy. Researchers and practitioners throughout the world concur that when 15 incorporated into instruction, educational technology may completely change the way students and instructors learn by giving them access to pertinent materials. The environment

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