The Anatomy of an Abstract



An abstract is a short (usually one paragraph long) synopsis of a larger work or publication that can stand apart from the larger text. Abstracts typically have several parts, and the purpose of this handout is to dissect them in order to help you approach writing an abstract with ease. A good abstract should be able to stand alone, and it should not directly quote the article or major work it belongs to. Below is an example abstract with an imagined **purpose of indexing in an online database.**

Substances with largely unknown safety are appearing in the products consumers use every day, which poses a risk to public health. Of all the industrial chemicals in consumer products, only 3 percent of them have been comprehensively tested to ensure their safety. Animal studies are the industry standard in safety testing, but they are ineffective, costly, and time consuming. <u>Researchers developed a new algorithm and database for analyzing and identifying potentially harmful substances</u>. Using data from Europe's REACH (Registration, Evaluation, Authorizations, and Restriction of Chemicals), the team used a supercomputer to combine data from existing public databases into one large database. Using properties of similar chemicals, the computer can predict whether an untested chemical is hazardous. The researchers used existing data to test the computer's accuracy compared to traditional animal studies in identifying toxic chemicals. Their database found the toxic substances in 89 percent of cases, compared to 70 percent in corresponding animal studies. If the database is validated by the U.S. government, it could potentially save the US \$1 billion and more than 2 million animals.



This abstract is based on the article "Artificial intelligence outperforms the repetitive animal tests in identifying toxic chemicals" on the conversation.com.