عنوان مقاله:

Integration of Sign Language in Chemistry Education (SLICE) Building vocabulary to support organic comprehension Chemistry & teaching this language by means of smart gloves

محل انتشار:

هفتمین کنفرانس بین المللی علوم، مهندسی، تکنولوژی و کسب و کارهای فناورانه (سال: 1402)

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خلاصه مقاله:

Historically, students who are deaf and hard of hearing (D/HH) who only have an Interpreter during organic chemistry lecture courses at Rochester Institute of Technology Consistently performs below average in class. A barrier attributed to this D/HH student Performance lack of standardized methods in sign language for effective communication Organic Chemistry Terminology In this way, we tried to meet this challenge through a deliberate attempt to create a vocabulary of illuminating symbols/classifications that convey organic chemistry Vocabulary as well as descriptive extensions to illustrate challenging concepts. Also, in order to teach these concepts, we designed smart gloves with the ability to connect to different operating systems and easy to use, so that deaf and hard of hearing students can benefit from this training easily and without the need for a translator.

کلمات کلیدی:

Artificial Intelligence, AI, Chemistry, Chemistry Education, smart gloves

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