

Abstract

This study aimed at evaluating the chemistry curricula at the colleges of education of the governmental Sudanese universities in Khartoum state and how to be promoted in accordance with the international standards, through seeking the views and opinions of the educators and experts in the field of chemistry, in terms of objectives, content, teaching methods and techniques and evaluation methods.

The researcher has adopted the descriptive methods, and used two tools, namely: questionnaire to teachers of chemistry at governmental colleges of education (Khartoum state), and an interview with some experts (8) , in chemistry.

The researcher also used some statistical methods to interpret the responses of the study sample of the questionnaire terms, and to achieve the hypotheses in terms of percentages and Chi- test.

Important results:

- 1- teaching of chemistry assists in the approach of the objectives thereof, whether they are learning, sentimental or psycho motive objectives.
- 2- The chemistry curricula at the Sudanese education collages (Khartoum state) encompass modern theories and knowledge's.
- 3- There is no relation between the chemistry syllabuses of the collage and the same syllabuses at secondary schools level.
- 4- The chemistry syllabuses contents are consistent with the level of university student.
- 5- The current teaching methods adopted in chemistry teaching are not consistent with modern teaching methods, and the non academic activities are not adopted.
- 6- Modern methods of evaluation are adopted in teaching of chemistry.

Important recommendations:

- 1- Promotion and development of the syllabuses in accordance with the modern international trends, and domestic needs, continuous audit of the curriculum and introduction of new syllabus in some colleges are also important.
- 2- Paying more concern to the practical aspects and provision of materials, tools and modern equipment.
- 3- Paying adequate attention to the different students activities, and availability of more freedom in doing this. These activities should be apart of students evaluation.
- 4- Adoption of contemporary methods in teaching of chemistry syllabuses, and qualification and continuous training of the teaching staff in teaching methods. External training is essential to get acquainted with modern knowledge in chemistry and in teaching methods.
- 5- Each university and, hence, each college of education should establish a web site which reflects its specialization, available resources, activities and over all performance. His site should be continually activated and updated.