

King Khalid University



College of Science
Department of Chemistry



جامعة الملك خالد



كلية العلوم
قسم الكيمياء



Report on the activities of the Chemistry

Department in the first semester of the academic year 1443

The Chemistry Department held several activities, events, training courses and scientific seminars during the first semester of the academic year. The recipients of excellence awards in the department were also honored. The Chemistry Department also participated with the scientific departments (Mathematics - Physics - Biology) in cooperation with the Deanship of Student Affairs in several programs during the same semester.

Chemistry Department Activities:

Activating the National Day (This is Our Home) on 09/28/2021 corresponding to 02/21/1443

The Chemistry Department participated in it, along with all the scientific departments, in addition to the Guidance and Counseling Unit, and they started the event.

With the national anthem and some of the most important paragraphs:

- Fingerprints on a board with a map of Saudi Arabia
- Video presentation of the Kingdom's achievements from the founding era to the present time
- A special corner to express, whether through drawing or writing, the love of the homeland.
- Distributing brochures and some presentations with barcodes containing phrases about the homeland
- Finally, balloons were raised to celebrate the National Day.

Attachments:



Share section pdf

Chemistry on National Day



❖ New Students Reception:

The Chemistry Department participated in the reception ceremony for new students for the year 1443 AH through video clips, presentations and lectures Update via Zoom.

For attachments:



❖ Excellence Awards:

Her Excellency Dr. Mastoura Mohammed, Associate Professor in the Department of Chemistry, won first place in the field of research Scientific.

Attachments:

Research Award.pdf





Implementation of an interactive scientific program entitled "The Essence of Sciences" on 03/28/1443

The program began with a welcoming speech for the program guests, then the program's corners began. At the beginning was the metals corner, which included gold, silver, pearls, and iron, explaining their importance in life and their chemical importance, followed by the ice cream corner, which explains how the structure is held together and the importance of air in the appearance of the wonderful taste of ice cream that we love. Then after that, the magic balls corner, explaining why when placed in water, their size increases and why, in addition to basil, which is part of our culture and identity, explaining why it has this distinctive smell and what it is used for. The program was attended by approximately 50 college staff and faculty members Teaching and students from various disciplines.

Attachments:





◆ Activities of the 11th Scientific Research Day in the Chemistry Department on 05/02/1443

The events were held in the auditorium.5 in the central stands from 8:30 am to 1:00 pm At noon. Eleven oral lectures were given during this event, eleven posters were displayed by faculty members and graduate students, and seventeen posters were displayed by students of the graduation research course. The students who won the Best Poster Award at the student level were honored, and certificates of thanks and appreciation were issued to all participants.

Attachments:



Final Proceedings
December 2021 witho



❖ Workshops:

Workshop 1: Beekeeping-based industries:

This course was presented by His Excellency Dr. Moatasem Zaki from the Department of Chemistry on 02/26/1443 from ten o'clock From 12:30 am to 12:00 pm via Zoom platform. This course aims to:

- Developing industrial human capacities required by industry. Promoting
- small and medium-sized industries and pioneering industries.
- Planning to develop small industries such as soap, creams, ointments and cosmetics.

And take advantage of local resources.

- Developing small industries and enhancing the technical content of industrial products.
- Establishing modern industrial clusters.

Attachments:





Workshop 2: How to complete my graduation project successfully:

This course was presented by Dr. Asmaa Farouk from the Department of Chemistry on 03/18/1443 from ten o'clock From morning until twelve noon in the Chemistry Department Club for female students. This course aims to:

- The student should become familiar with some of the terms and skills necessary in the field of scientific research. The student should
- understand the concept of the graduation project and its importance.
- The student should be familiar with the stages of research and how to write it. The
- student should understand the evaluation and discussion mechanism.
- Raising the level of self-awareness of the graduate student and preparing well for presentation and discussion.
- Enabling the graduate to have higher performance and quality of life.
- Supporting the graduate to make a positive change in her future academic life.
- Supporting the graduate student by providing her with the skills necessary to move from the education stage to the application stage

And work, and help her draw the right path for the future career in line with her skills.

- Raising the level of self-awareness of the graduate student and developing short-term plans to achieve her personal and professional goals.
- Empowering female graduates to have higher performance and quality of life to be able to keep up with the changes in the labor market.

Attachments:





Workshop 3: Computational Methods for Drug Discovery and Design:

This course was presented by His Excellency Dr. Saleh Saeed Al-Arfaji from the Department of Chemistry on 04/09/1443 from eight o'clock Evening until 10 pm via Zoom platform. This course aims to:

- Provides a brief overview of the role of computational chemistry in drug design and
- discovery. How to best handle large chemical compounds.
- How to build predictive models based on multiple physical properties
- of vehicles. Use validation methods for the built models.

Attachments:



Member of the Central Media Committee of the Faculty of Science

- Chemistry Department - Girls Section

Dr. Amani Najhi Brahimi





Report on the activities of the Chemistry Department
in the second semester of the academic year 1443

The Chemistry Department held several activities, events, training courses and scientific seminars during the second semester of the academic year.

The recipients of excellence awards in the department were also honored. The Chemistry Department also participated with the scientific departments (Mathematics - Physics - Biology) in cooperation with the Deanship of Student Affairs in several programs during the same semester.

Chemistry Department Activities:



Accreditation of the Master of Chemistry and Bachelor of Chemistry programs

The Master of Science in Chemistry and Bachelor of Science in Chemistry programs are accredited by the Education and Training Evaluation Commission represented by the National Center for Academic Evaluation and Accreditation (Accreditation). The Master of Science in Chemistry program is the first Master of Science in Chemistry program to be accredited in the Kingdom of Saudi Arabia.

Attachments:





❖ Chemistry film activity from the "Duraq" program on Sunday 2022-03-06

The Tharaa Club at the College of Science in Abha, with the participation of the Chemistry Department and in cooperation with the Deanship of Student Affairs for Female Students, held a chemistry film event from the Duraq program. This was on Sunday, corresponding to the third of Shaaban 1443 AH, at the Chemistry Club headquarters - third floor - laboratories building from 11 am to 12 pm.

The program aims to clarify the presence of chemistry in our reality in different forms and how chemistry is distinguished in every field.

The program began with a welcoming speech for the program guests, and then the program's booths were visited. It began with the cinema booth, which explains how chemistry is related to cinema and some of the chemical tricks used in this field.

Followed by the forensic chemistry booth, which aims to explain the importance of chemicals in detecting crimes. The attendees also interacted with this booth through the activity of investigating a crime and detecting it using chemical methods.

Then there was the space booth, which talked about how chemistry is closely linked to space. The chemical composition of some planets was also explained by placing samples of them.

The program was attended by approximately 50 college staff, faculty members and students from various disciplines.

Attachments:







Activities of the 12th Scientific Research Day in the Chemistry Department on 2022-05-11

The events were held in the auditorium.6 in the central stands from 8:30 am to 1:00 pm In the afternoon. Eleven oral lectures were given during this event by male and female master's students, and fourteen posters were displayed by male and female undergraduate students in the graduation research course. The students who won the Best Poster Award at the student level were honored, and certificates of thanks and appreciation were issued to all participants.

Attachments:

12th Scientific Forum of Chemistry Department (12th SFCD 1443)

Program

Time	Activity
08:25 – 08:30	Opening Dr. Saleh Alarfaji, Chairman's Talk
	Oral Session (1) Chair Person: Dr. Riadh Marzouki
08:30 – 08:50	O1: Abdelmohsen Sherif "Optical Studies of ZnO and AgZnO for dye sensitized solar cell as electron transport layer"
08:50 – 09:10	O2: Alaa Alasiri "Removal of Methyl Green from Aqueous Solutions using Poly Acrylamide Hydrogel"
09:10 – 09:30	O3: Amani Lahaq "Effectiveness of sensodyne and Colgate toothpastes in the removal of plaque and tartar"
09:30 – 09:50	O4: Esraa Abo Zeina "Synthesis and biological evaluation of some series new pyridine derivatives: promising and potent new class of antitumor agent"
09:50 – 10:10	O5: Fatimah Alqahtan "Effect of Zeolite Support on the Catalytic Behavior of Platinum Nanoparticles in Cyclohexene Hydrogenation Reaction"
10:10 – 10:30	O6: Nada Alabad "A new strategy for the synthesis of thiazolyl-pyrazolones"
10:30 – 11:00	Coffee Break and poster presentation
	Oral Session (2) Chair Person: Prof. Dr. Selvaraj Manickam
11:00 – 11:20	O7: Rahaf Mohammed "Glucose oxidase and catalase activity in honey samples of Saudi Arabia"
11:20 – 11:40	O8: Reem Ainefaie "Highly dispersed NiO nanoparticles into SBA-15: synthesis, characterization and catalytic activity evaluation in the oxidation of cyclohexane"
11:40 – 12:00	O9: Shorok Yasser "Synthesis, characterization and anticancer evaluation of novel 4-hydrazinothiazole analogues"
12:00 – 12:20	O10: Tallah Albarqi "Synthesis and anticancer activity of novel thiazole-1,3,4-thiadiazole sulfonamide hybrids"
12:20 – 12:40	O11: Yara Nasser "Synthesis and Characterization of Sodium Zn-Co Diphosphates"
12:40 – 13:00	Dhur Prayer, Best poster award, and Closing





Excellence Awards:

Faculty members from the Department of Chemistry who won the King Khalid University Research Encouragement Awards:

- His Excellency Dr. Irfan Ahmed
- His Excellency Dr. Muhammad Shabir
- His Excellency Dr. Mohamed Hamdy
- His Excellency Dr. Abu Bakr Idris
- His Excellency Dr. Esmat Hassan
- His Excellency Dr. Samiullah Mirza
- His Excellency Dr. Mohammed Imran
- His Excellency Professor Dr. Abdullah Al-Suhaimi
- His Excellency Dr. Abu Al-Kalam
- Her Excellency Dr. Badriya Al-Shahri

Attachments:



**Courses:**

Many training programs were provided by faculty members of the Chemistry Department and other departments. These courses were implemented in partnership with the Alumni and Community Service Unit of the College of Science.

Attachments:

الدورات المقدمة لوحدة الخريجين وخدمة المجتمع للفصل الدراسي الثاني للعام الجامعي 1443هـ (كلية العلوم بأبها – للشطرين)

م	اسم الدورة	اسم مقدم الدورة	الأهداف ووصف موجز للدورة	الإيميل	عدد الحضور ومكان إنعقاد الدورة
1	كيف أعد عرض تقديمي باستخدام برنامج Latex	د.مهرة عبدالله القطاني 1443/7/13هـ م8 - م10	تعلم أساسيات عمل عرض تقديمي بواسطة برنامج لاتكس في نوع خاص بإعطاء شرائح عرض احترافية	mzayed@kku.edu.sa	برنامج زووم عدد الحضور: 306
2	أشباه الموصلات و دورها الأصيل في الصناعات التكنولوجية الحديثة	د. حسام الدين حمزي 1443/7/27هـ م8 - م10	تهدف الدورة إلى ترسيخ المفاهيم الأساسية التالية: 1- تعريف أشباه الموصلات. 2- تاريخ اكتشاف أشباه الموصلات. 3- أنواع أشباه الموصلات. 4- صناعة أشباه الموصلات. 5- التطبيقات التكنولوجية المختلفة لأشباه الموصلات. 6- المستقبل الاقتصادي للوطن العربي في الاهتمام بصناعات أشباه الموصلات.	hhegazy@kku.edu.sa	برنامج زووم عدد الحضور: 18
3	تطبيقات المجسات الكيميائية في التحاليل البيئية والصناعية	د. هشام صلاح محمد 1443/7/29هـ م8 - م10	تدريب الطلاب على كيفية تصنيع المجسات الكيميائية في المختبر بطريقة بسيطة - عرض استخدام المجسات الكيميائية في تحاليل عدد من عينات بيئية في الحقل - عرض استخدام المجسات الكيميائية في تحاليل عدد من عينات صناعية في المعمل توضيح أهمية استخدام المجسات الكيميائية في تحاليل عدد من عينات صناعية و بيئية من حيث التكلفة و الوقت و سهولة الاستخدام	habdrabboh@kku.edu.sa	برنامج زووم عدد الحضور: 50
	تدوير النفايات الإلكترونية	أ.د. ناصر عواد	- من المعروف أن السعودية من أكبر المنتجين للنفايات الإلكترونية على مستوى العالم والأولى في الشرق	azwwad@kku.edu.sa	برنامج زووم عدد الحضور: 97

المستفيدون: أ.د. ناصر عواد - أ.إيمان الزيداني



Workshops:

Workshop1: "Work organization skills"

This course was presented by Dr. Mostoura Mohamed Idris from the Department of Chemistry on 08/03/1443 from the hour From seven to nine in the evening via Zoom. This course aims to:

- Improving organizational performance
- Learn planning and time management skills.
- Improve teamwork skills

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جامعة الملك خالد
كلية العلوم

إعلان

تعلم لجنة خدمة المجتمع بكلية العلوم
عن إقامة دورة تدريبية بعنوان:
مهارات تنظيم العمل
تقدمها الدكتورة:
د.مستورة محمد إدريس

الحضور عبر الرابط المباشر

Zoom

٧-٩ مساءً

الأحد ٣ / ٨ / ١٤٤٣ هـ

شهادات حضور



Workshop2: "CV writing and interview skills"

This course was presented by Dr. Mostoura from the Department of Chemistry on 08/05/1443 from eight o'clock to 10 pm via Zoom platform. This course aims to:

- Types of CVs
- Components of a typical resume
- The role of body language in personal interviews
- Common mistakes in personal interview

The poster features a purple and gold color scheme. At the top right is the King Khalid University logo. The central text is in Arabic, announcing a workshop for graduates. The text reads: 'إعلان' (Announcement), 'تعلم وحدة رابطة الخريجين ووحدة خدمة المجتمع بكلية العلوم عن إقامة ورشة عمل بعنوان: مهارات كتابة السيرة الذاتية واجتياز المقابلة الشخصية تقدمها الدكتورة: أسماء فاروق' (The College of Science announces the graduation association and community service unit about the holding of a workshop titled: Skills of writing the CV and passing the personal interview, presented by Dr. Asma Farooq). At the bottom, it says 'شهادات حضور' (Certificates of attendance) and provides the Zoom link, date (08/05/1443 AH), and time (8-10 PM).



Workshop3: "Team building and management skills"

This course was presented by Dr. Asmaa Farouk Ahmed from the Department of Chemistry on 08/26/1443 from seven o'clock Until 9 pm via Zoom platform. This course aims to:

- Team building principles
- Identify the types of work teams
- Organize the team's time and set its priorities.
- The importance of teamwork

Member of the Central Media Committee of the Faculty of Science

- Chemistry Department - Girls Section

Dr. Amani Naji Brahimi