College of Science
Chemistry Department

كلية العلوم
College of Science

جامعة الجوف
Jouf University

خطة البحث العلمي لبرنامج الكيمياء

Scientific research plan of Chemistry Program

https://www.ju.edu.sa/en/colleges/science-college/college-of-science/departments/department-of-chemistry/

Chemistry Program

The Plan for Scientific research in Chemistry Program 1441AH

ص.ب ٢٠١٤ – الجوف – سكاكا – هاتف ٠٤ ٦٢٤٢٢٧١ – فاكس ٠٤٦٢٤٧١٨٣
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The Plan for Scientific research in Chemistry Program 1441AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate them using particular indicators.

The mission of the program:

Preparation of the scientific competencies in the field of Chemistry for community development and to solve environmental problems through applied research.

Objectives of the program:

1. Developing the curriculum and courses to attain educational outcomes that meet the academic standards in the Kingdom.
2. Developing the capabilities of the academic and technical staff to assist the educational process.
3. Qualifying program students with advanced fundamental sciences in the field of chemistry.
4. Conducting scientific research to keep up with scientific development in chemistry.

5. Providing various services and activities in chemistry and its applications that benefit the community.

Execute objectives:

- **Meeting the needs of the Kingdom through qualified cadres in the field of Chemistry.**

Executive plan:

Main objectives: Providing scientific research skills and research activities.

Executive Objectives	Procedures and activities	Outputs	Responsible	Follow up	Target	Period	Indicators
1) Clarifying the role of scientific research in the progress and development goals. **2)** Raising number of publications during academic year 1440-1441. **3)** Exploring the importance of Al Jouf chemical resources materials.	**1)** Providing workshops for researcher. **2)** Providing scientific advices to increase the publication rate. **3)** Providing infrastructures for research activities.	**1)** 60 % of the trainee know role of scientific researchers in the progress and development goals . **2)** 70 % of the attendees understand how recycling the different types wastes. **3)** 60% of the attendee were aware of the importance of increasing the publication rate.	Scientific research committee	Follow-up Committee	70%	09/2019 to 05/2020	KPI – P – 14 KPI – P – 15 KPI – P – 16 The total number of publications completed the academic year

Head of the program

Dr. Ibrahim Al-Sohaemi

Report of the plan for scientific research in Chemistry Program 1441AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate those using particular indicators.

The chemistry program has completed seven of the recommended plane's activities that reflect the program's objectives. The following is a detailed list of the programs that have been finished.

The following formula was used to construct the key performance indicator:

$$\frac{\textbf{The number of achieved initiatives}}{\textbf{The target number of initiatives}} \boldsymbol{X\ 100} \qquad \frac{\mathbf{7}}{\mathbf{10}} \boldsymbol{X\ 100 = 70\%}$$

Strength points

1) The chemistry program has been extensively involved in the progress and development goals to achieve the vision of 2030.

2) The initiatives that were accomplished were focused with role of scientific research in solving the environmental problem.

3) The of the scheduled events have been accomplished.

Weak points:

1) The faculty members are preoccupied with many tasks, including teaching, research and administrative tasks

2) The lowriing the number

Recommendations:

1) Recruiting more Faculty members to help with the workload.

2) Establishing partnerships with government and private agencies in Al-Jouf region.

3) Endeavour to encourage the use of the Chemistry Department to address the social problems.

Action plan progress report for scientific research in Chemistry Program 1441AH

Recommendations	Action plan	Responsible Person	Start Date	Completion Date
1) Reviewing the policies and regulations of the scientific research at Jouf University periodically. **2)** Coordinating with the local and international research institutions as a prelude to cooperate with them for the purposes of scientific research in order to serve the policies and objectives of Jouf University in building local or international partnerships	1) Many policies and regulations needs to modify 2) Concluding local and international research scientific agreements with specialized institutions.	Scientific councils	09/2019	06/2020

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Report for Action plan progress in scientific research in Chemistry Program 1441AH

Progress on Implementation of Previous Year's Action Plans						
Number of KPI	**Actions Planned**	**Planned Completion Date**	**Person Responsible**	**Completed**	**If Not Complete, Give**	
					Reasons	**Proposed action**
KPI - P – 14 **KPI - P – 15** **KPI - P – 16 (additional)**	**1)** Improving the policies and regulations of the scientific research at Jouf University periodically. **2)** Increasing the research projects and funds that implement new trends and directions by at least two projects each **3)** Coordinating with the local and international research institutions	In the beginning of the academic year	Community service committee	Yes	-----	-----

KPI- P-14 Percentage of publications of faculty members.

KPI- P-14 for Chemistry Program in College of Science –

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
83%	90%	51.5%	75 %	88.85 %	90%

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
86%	90%	51.5%	75 %	88.85 %	90%

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
80%	90%	51.5%	75 %	88.85 %	90%

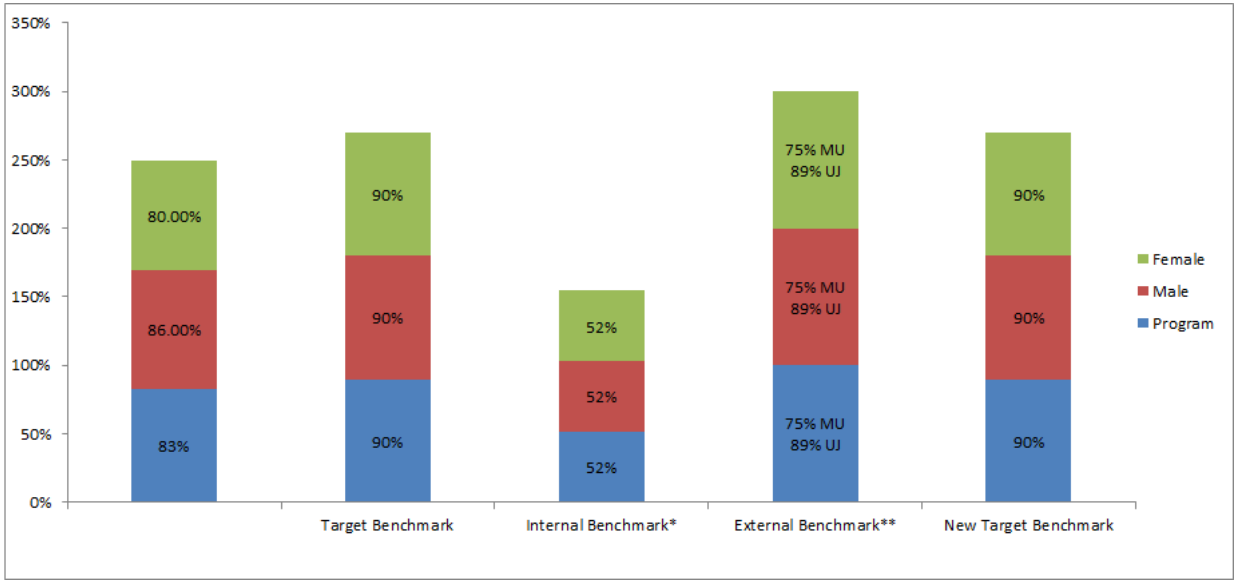

Figure 1: The percentage of publications of faculty members in the Chemistry program.

Measurement way: The Percentage of publications of faculty members in the chemistry program.

Percentage of scientific publication for faculty members =

$$\frac{\textbf{Number of full-time faculty members who published at least one research during the year}}{\textbf{the total number of teaching staff in the program}} \times 100$$

Analysis (strengths and recommendations):

The actual benchmark is 83% higher than the previous year (51.5%) and (MU) but still less than the external benchmark (UJ, 89%).

Proposals for improvement: Improvement of research facilities and the increment of number of financed projects may enhance the value of this indicator.

The benchmark is calculated as number of staff members published at least an article this year to the total number of staff.

Last academic year was taken as internal benchmark.

This internal benchmark was chosen because it describes the achievement of the previous year.

University of Jeddah and Majmaah were taken as external benchmark

KPI-P-15: Rate of published research per faculty member.

KPI- P-15 for Chemistry Program in College of Science, Sakaka

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
1.59	2%	1.12	2	1.83	2

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
1.99	2%	1.12	2	1.83	2

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
1.2	2%	1.12	2	1.83	2

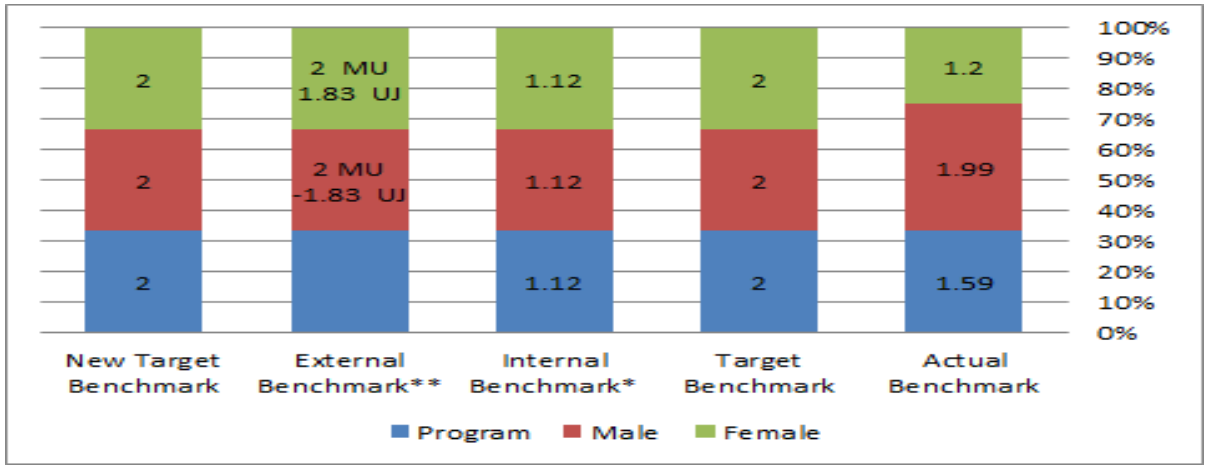

Figure 2: The rate of published research per faculty member in the Chemistry program.

Measurement way: ***The rate of published research per faculty member in the chemistry program=***

$$\frac{\textit{The total number of research published during the year}}{\textit{The total number of teaching staff in the program}}$$

Analysis (strengths and recommendations):

Results show increasing in the number of refereed publications in international impacted journals per full time equivalent teaching staff in the academic year 40/41 compared to 39/40 but less than the two external benchmark (MU and UJ).

This ratio is calculated as number of all published articles this year to the total number of staff.

Last academic year was taken as internal benchmark.

This internal benchmark was chosen because it describes the achievement of the previous year.

University of Jeddah and Majmaah were taken as external benchmark

Proposals for improvement: The ratio is aimed to be increased in the next year through increasing the number of research projects financed by the University.

KPI- P-16: Citations rate in refereed journals per faculty member.

KPI- P-16 for Chemistry Program in College of Science -

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
2.65	4	2.25	———	9.05	4.0

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
2.92	4	2.25	———	9.05	4.0

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
			MU	UJ	
2.39	4	2.25	———	9.05	4.0

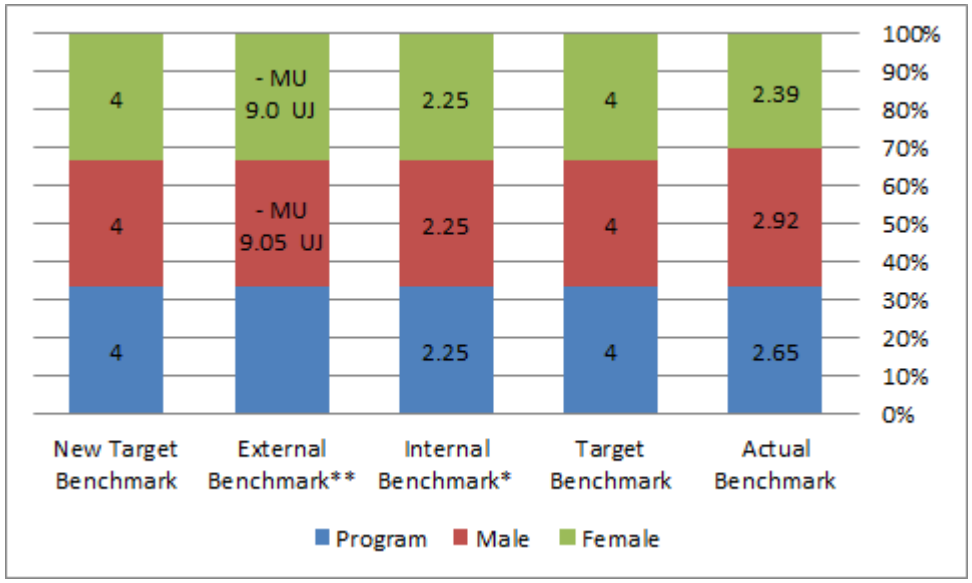

Figure 3: The Citations rate in refereed journals per faculty member in the Chemistry program.

Measurement way: The Citations rate in refereed journals per faculty member=

$$\frac{\text{The total number of citations in refereed journals from scientific research published by faculty members}}{\text{The total number of scientific research published for faculty members}}$$

Analysis (strengths and recommendations):

Results show that the number of citations in refereed journals per full time equivalent faculty members in the academic year 40/41 increase relative to 38/39. This may be due to the increase in the number of publication and improvement of the research experimental facilities. However, this number is aimed to be increased with the increased number of publications in the next year.

Furthermore, the actual KPI No. is not reached to the target one, therefore the latter is taken to be the new benchmark.

Last academic year was taken as internal benchmark. This internal benchmark was chosen because it describes the achievement of the previous year.

University of Jeddah was taken as external benchmark.

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Number of Publication research 2020

Number of papers published in journal indexed by ISI	Number of papers published in journal indexed by Scopus	Number of papers published in unclassified journals	Total Number of papers
٦٠	٨	١	69

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List of Publication research

Name	Title of research	Journal	Impact factor	Quartile	Rank in Category	ISI /SCOUPUS/ other
Ibrahim Hotan Alsohaimi, Hazim M Ali	Solvent extraction and gas chromatography–mass spectrometric determination of probable carcinogen 1,4-dioxane in cosmetic products *https://www.nature.com/articles/s41598-020-62149-X*	Scientific Report	3.998	Q1	17/71	ISI
Ibrahim H.Alsohaimi Amr. Mohamed Nassar Tarek Ahmed.	A novel composite silver nanoparticles loaded calcium oxide stemming from egg shel recycling: A potent photocatal	Journal of cleaner production	7.246	Q1	19 of 265	ISI

Saif Elnasr, Bin.Amr.Cheba	and antibacterial activities https://www.sciencedirect.com/science/article/abs/pii/S095965261934					
Ibrahim H. Alsohaimi, Mohammed . El-Hashemy, Abdullah G. Al- Ruwaili, Tarek Ahmed. Seaf El-Nasr & Nayef S. Almuaikel	Assessment of Trace Elements in Urban Road Dust of a City in a Border Province Concerning Their Levels, Sources, and Related Health Risks DOI 10.1007/s00244-020-00737-8	Archives of Environmental Contamination and Toxicology	2.4	Q2	58/92	ISI
Ibrahim Hotan Alsohaimi	Analytical detection methods for diagnosis of COVID-19: developed methods and their performance https://doi.org/10.1080/13102818.2020.1865838	BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT	1.186	Q4	140/156	ISI

Hazim Mohamed Ali, Ibrahim Hotan Alsohaimi	Simultaneous Determination of Isothiazolinones and Parabens in Cosmetic Products Using Solid-Phase Extraction and Ultra-High Performance Liquid Chromatography/Diode Array Detector https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7700590	Pharmaceuticals	4.286	Q1	49/271	ISI
Ibrahim Alsohaimi, Hassan Mohamed Ahmed, Mohamed R. Berber	Tailoring an efficient nanocomposite of activated carbon-layered double hydroxide for elimination of water-soluble dyes https://doi.org/10.1016/j.jallcom.2020.157551	Journal of Alloys and Compounds	Q1	4.65	8/79	ISI

Mohamed ramadan El-Aassar, Ibrahim Hotan Alsohaim	*Development of carbon-impregnated alginate*β-cyclodextrin/gelatin beads for highly performance sorption of 2,4-dichlorophenol from wastewater* https://doi.org/10.1016/j.jmrt.2020.03.031	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	Q1	5.289	5/79	ISI
Tarek Ahmed Seaf-Elnasr, Ibrahim Hotan Alsohaimi, Wael Abdelgayed Ahmed Arafa and Mutairah Shaker Alshammari	New spectrophotometric protocol using tetrathiosemicarbazone derivative chelating (TTSC) for the assessment of trace level of cadmium(II) in drinking water" *doi.org/10.1080/03067319.2020.1767093*	International Journal of Environmental Analytical Chemistry	Q3	1.43	68/86	ISI

Mohamed Ramadan El-Aassar, Ibrahim Hotan Alsohaimi	Nanofiltration membranes prepared from pristine and functionalised multiwall carbon nanotubes/biopolymer composites for water treatment applications https://doi.org/10.1016/j.jmrt.2020.06.055	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	Q1	**5.289**	5/79	ISI
Mohamed Ramadan El-Aassar, Ibrahim Hotan Alsohaim	Removal of phenol and Bisphenol A by immobilized Laccase on poly (Acrylonitrile-co-Styrene/Pyrrole) nanofibers https://doi.org/10.1080/01496395.2019.1648511	Separation Science and Technology	**Q3**	1.718	115/177	ISI
Mosaed S. Alhumaimess	Metal–Organic Frameworks and their Catalytic Applications DOI: 101016/j.jscs.2020.04.002	Journal of Saudi Chemical Society	Q2	3.517	61/177	ISI

Hamed M. Alshammari, Nadir Abbas, Jamal R. Humaidi, Salma A. Alzahrani, Abdullah S. Alshammari, Mosaed S. Alhumaimess, Obaid F. Aldosari, and Hassan Mohamed Ahmed	Correlation between the Properties of Sol-Gel Synthesized Graphene/Titania Hybrid Nanostructures and Their Catalytic Activity in Selective Aerobic Oxidation of Alcohols 2162 - 8777/2020/9(12)/123002/7/$ 40.00	ECS Journal of Solid State Science and Technology,	Q3	2.142	79/155	ISI
Ziyad A. Alrowaili , Ibrahim Hotan Alsohaimi, Mohamed A. Betiha, Amr A. Essawy, Ahmed A. Mousa, Saif F. Alruwaili , Hassan M.A. Hassan	Green fabrication of silver imprinted titania / silica nanospheres as robust visible light-induced photocatalytic wastewater purification https://doi.org/10.1016/j.matchemphys.2019.122403	Materials Chemistry and Physics	Q2	3.408	115/314	ISI

Hamed M. Alshammari , Abdullah S. Alshammari , Jamal R. Humaidi , Salma A. Alzahran, Mosaed S. Alhumaimess , Obaid F. Aldosari and Hassan M. A. Hassan	Au-Pd Bimetallic Nanocatalysts Incorporated into Carbon Nanotubes (CNTs) for Selective Oxidation of Alkenes and Alcohol	Processes	Q2	2.753	58/143	ISI
Mahmoud M. Kamela, Mosaed S. Alhumaimessa , Mohammad H. Alotaibib , Ibrahim H. Alsohaimia , Hassan M.A. Hassana,c, Hamed M. Alshammarid, Obaid F. Aldosarie,	**Decomposition and removal of hydrazine by Mn/MgAl-layered double hydroxides** doi: 10.5004/dwt.2020.26356	Desalination and Water Treatment	Q2	**1.320**	84/94	ISI
Mosaed S. Alhumaimess ,,Amr A. Essawy ,Mahmoud M. Kamel , brahim Hotan Alsohaimi ,	**Biogenic-mediated synthesis of mesporous Cu2O/CuO nanoarchitectures of superior catalytic**	Nano materials	Q2		42/103	ISI

andHassan M. A. Hassan	**reductive towards nitroaromatics** https://doi.org/10.3390/nano1004078					
Mosaed S. Alhumaimess , Ibrahim Hotan Alsohaimi , Hassan M.A. Hassan , Mohamed Y. El-Sayed , Mutairah S. Alshammari , Obaid F. Aldosari, Hamed M. Alshammari , Mahmoud M. Kamel	**Synthesis of ionic liquid intercalated layered double hydroxides of magnesium and aluminum: A greener catalyst of Knoevenagel condensation** https://doi.org/10.1016/j.jscs.2020.01.006	King Saud University Journal of Saudi Chemical Society	Q1	**2.89**	61/177	ISI
Mahmoud M. Kamel, Ibrahim H. Alsohaimi, Mosaed S. Alhumaimess, Hassan M. Ahmed.	**A glassy polyvinyl alcohol/silica gel hybrid composite for safranin removal: Adsorption, kinetic and thermodynamic studies**	Research on Chemical Intermediates	Q2	2.03	94/117	ISI

,Mutairah S. Alshammari, Mohamed Yusri. ElSayed.	https://doi.org/10.1007/s11164-020-04309-2					
N.asser Alotaibi Ibrahim H. Alsohaim Amr Mohamed Nassar	Nanostructured palladacycle an decorated Ag-NPs composite; Synthesis, morphol aspects, characterization, quant chemical calculation and antimicrobial a DOI :10.1007/s13369-020-05214-x	Arabian Journal for Science and Engineering	**Q3**	1.7	7 of 39	ISI
A.A.Abd Elwahab Nasser Alotaibi Amr.Mohamed Nassar	Simultaneous voltammetric determination of ascorbic acid, dopamine, acetaminophen and tryptophan hybrid trimetallic nanoparticles capped electropretreated graph	Microchemical Journal	Q1	3.594	19 of 86	ISI

	https://www.sciencedirect.com/science/article/abs/pii/S0026265X2030					
Amr Mohamed Nassar Nasser Alotaibi	Eggshell recycling for fabricati of Pd@CaO, characterization a high-performance solar photocatalytic https://link.springer.com/article/s11356-020-10751-x	Environmental Science and Pollution Research	Q2	3.056	99 of 265	ISI
Amr.Mohamed Nassar Ziad.A.Alrowaili A.A.Mohamed Bin.A.Cheba	Facile synthesis of new compos AgNps loaded core/shell CdO/ Co3O4 NPs, characterization a excellent performance in antib Activity https://link.springer.com/article/10.1007/s13204-020-01606-5	Applied Nanoscience	Q3	2.880	58 of 103	ISI

Hassan Mohamed Ahmed, Amr A. Essawy,	Highly selective epoxidation of olefins using vanadium (IV) schiff baseamine-tagged graphene oxide composite https://doi.org/10.1016/j.colsurfa.2020.124520	Colloids and Surfaces	Q2	3.54	58/159	ISI
Hassan Mohamed. Ahmed	A novel and potential chemical sensor for effective monitoring of Fe(II) ion in corrosion systems of water samples https://doi.org/10.1016/j.microc.2019.104578	Microchemical Journal	Q1	3.594	19/85	ISI
Ibrahim Alsohaimi, Hassan Mohamed Ahmed, Mohamed R. Berber	Tailoring an efficient nanocomposite of activated carbon-layered double hydroxide for elimination of water-soluble dyes https://doi.org/10.1016/j.jallcom. 2020.157551	Journal of Alloys and Compounds	Q1	4.65	8/79	ISI
Hassan Mohamed Ahmed Hassan	Fabrication of polysulfone/carbon nanospheres	Desalination and Water Treatment	**Q2**	**1.320**	84/94	ISI

	ultrafiltration membranes for removing some dyes from aqueous solutions doi: 10.5004/dwt.2020.2582					
Hassan Mohamed Ahmed Hassan	Carbon nanotubes hybridized graphene oxide composite for efficient capture of cationic dye from aqueous solution doi:10.5004/dwt.2020.25229	Desalination and Water Treatment	**Q2**	**1.320**	84/94	ISI
Ibrahim Hotan Alsohaimi , Hassan M.A. Hassan , Mohamed R. Berber	Activated carbon/MOFs composite: AC/NH2-MIL-101(Cr), synthesis and application in high performance adsorption of p-nitrophenol https://doi.org/10.1016/j.jscs.2020.07.009	King Saud University Journal of Saudi Chemical Society	**Q1**	**2.890**	**61/197**	ISI

Hassan Mohamed Ahmed Hassan	Eco-friendly facile synthesis of glucose–derived microporous carbon spheres electrodes with enhanced performance for water capacitive deionization https://doi.org/10.1016/j.desal.2019.114278	Desalination	Q1	7.098	20/94	ISI
Yasser A. El-Ossaily, Nayef S. Al-Muail AlMeaquil ,	Green synthetic investigation and spectral characterization of some spiro pyrazolidine-based heterocycles with potential biological activity https://doi.org/10.1002/jhet.3898	J Heterocyclic chemistry	Q3	1.484	40/5[illegible]	ISI

Yasser A El-Ossaily	Investigation of three synthesized propane bis-oxoindoline derivatives as inhibitors for the corrosion of mild steel in sulfuric acid https://doi.org/10.1016/j.molstruc.2020.129318	J of Molecular Structure	Q2	2.463	92/159	ISI
Yasser A El-Ossaily	A convenient green synthetic approach to the synthesis of novel bioactive selenolo[2,3-c] pyrazoles as antibacterial and antifungal agents https://doi.org/10.1002/jhet.38051.	J Heterocyclic Chem	Q3	1.484	40/57	ISI
AbdelAziz.A. Nayl, Ismail Mohamed Ahmed,	Selective sorption of ^{134}Cs and ^{60}Co radioisotopes using synthetic nanocopper ferrocyanide-SiO_2	Separation and Purification Technology	Q1	5.33	19/143	ISI

	materials https://doi.org/10.1016/j.seppur.2019.116060					
AbdelAziz.A. Nayl,	The nanomaterials and recent progress in biosensing systems: A review https://doi.org/10.1016/j.teac.2020.e00087	Trends in Environmental Analytical Chemistry	Q1	7.059	20/265	ISI
AbdelAziz.A. Nayl,	**A novel method for highly effective removal and determination of binary cationic dyes in aqueous media using a cotton–graphene oxide composite** https://doi.org/10.1039/C9RA09872K	RSC Advances	Q1	3.049	73/177	ISI
AbdelAziz.A. Nayl, Wael Arafa, Reda Al Khashab	**Studying and Spectral Characterization for the Separation of Lanthanides from Phosphate Ore by Organic and Inorganic Acids** https://doi.org/10.1016/j.jmrt.2020.07.007	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	Q1	5.289	5/79	ISI
Mohamed Rowezek1, Hazim Ali, Khaled El-Massry, Ahmed El-Ghorab, Ibrahim	**Metabolomic characterization and antioxidant activity of**	SYLWAN	Q3	0.6	59/68	ISI

Sabouni	**three varieties of Olea europaea growing in Aljouf region, Saudi Arabia** http://sylwan.ibles.org/syl/search.php?searchQuery=Ibrahim%20Abdel					
Ahmed H. El Ghorab, Khaled F. El-massry,	Docking studies, synthesis and COXs inhibitory activity of novel azochalcone.	SYLWAN	Q3	0.6	59/68	ISI
A.H. El-Ghorab, K.F. El-Massry,	Impact of flavor enhancers on chemical constituents of chicken fat byproducts and cysteine model systems	SYLWAN	Q3	0.6	59/68	ISI
Ahmed El-Ghorab, Khaled Farouk El-Massry	Safety Assessment of Foods at Capital Hospital of Pakistan through the Hazard Analysis and Critical	Journal of Food Protection	Q2	1.58	93/139	ISI

	Control Point System					
Ahmed H. El-Ghorab, Khaled F. El-Massry ,	Correlation between chemical composition and radical scavenging activity of 10 commercial essential oils: Impact of microencapsulation on functional properties of essential oils	Arabian Journal of Chemistry	Q1	4.76	45/177	ISI
Mohamed Ramadan El-Assar	Antibiotic-free combinational hyaluronic acid blend nanofibers for wound healing enhancement https://doi.org/10.1016/j.ijbiomac.2020.11.109	International Journal of Biological Macromolecules	Q1	5.162	9/89	ISI
Mohamed	Development of	European Polymer Journal	Q1	3.862	14/89	ISI

Ramadan El-Assar	biocompatible tri-layered nanofibers patches with endothelial cells for cardiac tissue engineering https://doi.org/10.1016/j.europolymj.2020.109630					
Mohamed Ramadan. El-Assar	Alginate based tamoxifen/metal dual core-folate decorated shell: Nanocomposite targeted therapy for breast cancer via ROS-driven NF-κB pathway modulation https://doi.org/10.1016/j.ijbiomac.2019.12.266	International Journal of Biological Macromolecules	Q1	3.862	9/89	ISI

Mohamed Ramadan El-Assar	Biomedical Wound Healing Application of Nanofiber Comprising Polygalacturonic/Hyaluronic Acid Embedded Silver Nanoparticles: In-vitro and In-vivo Studies doi:10.1016/j.carbpol.2020.116175	Carbohydrate Polymers	Q1	7.182	4/89	ISI
Ismail Mohamed Ahmed	Experimental and mathematical modeling of Cr(VI) removal using nano-magnetic Fe_3O_4-coated perlite from the liquid phase. doi.org/10.1016/j.cjche.2019.12.027	Chinese Journal of Chemical Engineering	Q2	2.627	63/143	ISI
Ismail Mohamed Ahmed	Modification of perlite to prepare low cost zeolite as adsorbent	Radiochimica Acta	Q3	1.32	34/150	ISI

	material for removal of ^{144}Ce and $^{152+154}Eu$ from aqueous solution https://doi.org/10.1515/ract-2019-3221					
Ismail Mohamed Ahmed	Solvent Extraction Separation of La, Sm and Dy from Sulfate-Phosphate Medium by CYANEX 272 in Kerosene DOI: 10.1007/s42461-020-00178-w.	Mining, Metallurgy & Exploration.	Q2	1.02	21/21	ISI
Amr Mohamed Nassar	Mixed oxides CuO-NiO fabricated for selective detection of 2-Aminophenol by electrochemical approach https://www.sciencedirect.com/science/article/pii/S2238785419314777	Journal of Materials Research and Technology	Q1	5.289	5 / 79	ISI

Hazim M Ali	Efficiency Improvement of a Gas Chromatographic-Mass Spectrometric Method for Quantification of Nicotine in Hookah (Water Pipe) Tobacco Product https://medwelljournals.com/abstract/?doi=jeasci.2020.220.226	Journal of Engineering and Applied Sciences	Q3	0.35	NA	Scopus
Mohammed A. El-Hashemy	The inhibitive action of Calendula officinalis flower heads extract for mild steel corrosion in 1 M HCl solution https://doi.org/10.1016/j.jmrt.2020.09.078	Journal of materials research and technology	Q1	5.289	5/79	ISI
Hallouma Bilel, Mervat A. Elsherif and Shaima Mohamed Nabil Moustafa	Seeds oil extract of Mesembryanthemum forsskalii from Aljouf –Saudi Arabia: Chemical composition, DPPH radical scavenging and antifungal activities	OCL-OILSEEDS AND FATS CROPS AND LIPIDS	---	---	-----	ISI

	DOI: 10.1051/ocl/2020005					
Hallouma Bilel,	Transformations of bio-sourced 4-hydroxyphenylpropanoids based on olefin metathesis https://doi.org/10.1002/cctc.202000959	ChemCatChem	Q2	4.853	50/159	ISI
Rania H. Tah, Zienab A. El-Shafiey, Aida A. Salman, Mai M. Mansour	A study of a newly synthesized ligand and its metal complexes in bulk and nano size and metal uptake efficiency https://doi.org/10.1002/aoc.5792	Applied Organometallic Chemistry	Q2	3.14	11/45	ISI
Rehab G El-Sharkawy, Rania H Taha and Heba B Ghanem	Immobilization of novel inorganic nano-complexes onto MWCNT nanomaterials as a novel adsorbent and anti-inflammatory therapy in an induced model of rheumatoid arthritis https://doi.org/10.1088/1361-6528/ab851a	Nanotechnology	Q1	3.55	40/155	ISI

Rania H. Taha	Synthesis and characterization of a symmetrically substituted cyclodiphosph(V)azane ligand (H4L1) and its transition metal complexes for antimicrobial and antitumor investigation. *DOI:10.21608/ejchem.2020.22722.2349*	Egyptian Journal of Chemistry	Q3	0.5	NA	scopus
Rania H. Taha	Usage UV Irradiation for Reducing Fungal Contamination of Loose Nuts in Al Jouf Markets *DOI:10.21608/ejchem.2020.22722.2349*	Egyptian Academic Journal of Biological Sciences G. Microbiology	NA	NA	NA	scopus
Wael Abdelgayd Ahmed Araf, Modather F. Hussein	Design, sonosynthesis, quantum chemical calculations, and evaluation of new monoand bis pyridine dicarbonitriles as antiproliferative agents	Chinese journal of Chemistry	Q2	**3.8**	56/177	ISI

Wael Abdelgayed Ahmed Arafa	Ru-Based Complexes as Heterogeneous Potential Catalysts for the Amidation of Aldehydes and Nitriles in Neat Water *doi.org/10.1246/bcsj.20200071*	Bulletin of the Chemical society of Japan, Japan	Q1	4.4	50/177	ISI
Wael Abdelgayed Ahmed Arafa	A facile, practical and metal-free microwave assisted protocol for mono- and bis [1,2,4]triazolo[1,5-a]pyridines synthesis utilizing 1-amino-2-imino-pyridine derivatives as versatile precursors *Doi.org/10.1039/D0RA02256J*	RSC Advances	Q1	3.1	49/271	ISI

Modather F. Hussein	Fabrication of ionic liquid-cellulose-silica hydrogels with appropriate thermal stability and good salt tolerance as potential drilling fluid *DOI: 10.21608/EJCHEM.2020.33860.2707*	Arabian Journal of Chemistry	Q2	4.762	45/177	ISI
Modather F. Hussein	Sulfonamides: Synthesis and The Recent Applications in Medicinal Chemistry *DOI: 10.21608/EJCHEM.2020.33860.2707*	Egyptian Journal of Chemistry	--	---	----	ISI
Sabrein H. Mohamed	Simultaneous Quantification of Diaveridine and Sulfadimidine by Derivative and Ratio Derivative UV	Egyptian journal of chemistry	--	---	----	ISI

	Spectroscopy, *Simultaneous Quantification of Diaveridine and Sulfadimidine by Derivative and Ratio Derivative UV Spectroscopy (ekb.eg*					
Sabrein H. Mohamed	Spectroscopic, thermogravimetric studies and DFT calculations of pentoxyverine citrate ion-pairs with sulfonephthalein dyes *Spectroscopic, thermogravimetric studies and DFT calculations of pentoxyverine citrate ion-pairs with sulfonephthalein dyes - ScienceDirect*	journal of molecular structure	Q3	2.463	92/159	ISI
Nadia Ali Ahmmed Elkanzi	Design, Synthesis, and Antimicrobial Evaluation ofNew Annelated Pyrimido[2,1-c][1,2,4]triazolo[3,4-f][1,2,4]triazines	Molecules	Q2	3.267	70/177	ISI

	https://www.mdpi.com/journal/molecules					
Nadia Ali Ahmmed Elkanzi	An Efficient Synthetic Approach Towards Benzo[b]pyrano[2,3-e][1,4]diazepines, and Their Cytotoxic Activity https://www.mdpi.com/journal/molecule	Molecules	Q2	3.267	70/177	ISI
Rania baker, Nadia Ali Elkanzi	Preparation of some novel thiazolidinones, imidazolinones andazetidinone bearing pyridine and pyrimidine moieties with antimicrobial activity https://onlinelibrary.wiley.com/journal/194351993	J Heterocyclc Chem.	---	---	-----	Scopus

Nadia Ali. Elkanzi,	Design, fabrication and optical characterizations of pyrimidine fused quinolone carboxylate moiety for photodiode applications *https://www.journals.elsevier.com/optik*	Optik	Q2	2.187		ISI
Nadia Ali Ahmed Elkanzi , Rania baker	Microwave Assisted, Antimicrobial activity and Molecular modeling of some synthesized newly pyrimidine derivatives Using 1, 4-Diazabicyclo [2.2.2] octane as Catalyst *https://benthamscience.com/journals/letters-in-drug-design-and-discovery*	Letters in Drug Design & Discovery	Q2	1.169		ISI

Nadia Ali Ahmed Elkanzi	Synthesis of new pyrimido[1,2-b][1,2]thiazines and thiazino[3,2-c][1,2,4]triazines *https://www.heteroletters.org/*	Heterocyclic Letters	NA	NA	NA	Others
Nadia Ali Ahmed Elkanzi	Synthesis and Biological Activities of Some Pyrimidine Derivatives: A Review *http://www.orientjchem.org*	Oriental Journal of Chemistry	Q4	0.68		ISI
Hajer Hrichi, Nadia Ali Ahmed Elkanzi, Rania Badawy Bakr,	Synthesis ,antimicrobial activities and molecular docking studies of newly isolated β-Lactams and thiazolidinone derivatives from 1,4 dihydroquinoxaline Schiff 'S base. *http://cjm.asm.md/novel-lactams-and-thiazolidinone-derivatives-from-dihydroquinoxaline-schiffs-*	Chemistry Journal of Moldova	Q4	**1.55**		Scopus

	base-synthesis-antimicrobial-activity-and-molecular					
Nadia A. A. Elkanzi, Hajer Hrichi, Rania B. Bakr, O. Hendawy, May M. Alruwaili1, Enas D. Alruwaili1, Rahaf W. Almamtrfi, Hadeel Kh. Alsharary	Synthesis, in vitro evaluation and molecular docking of new pyrazole derivatives bearing 1,5,10,10a‐tetrahydrobenzo[g]quinoline‐3‐carbonitrile moiety as potent antibacterial agents https://doi.org/10.1007/s13738-020-02086-8	Journal of the Iranian Chemical Society	Q3	**0.682**		Scopus
Nadia Ali Ahmed Elkanzi, Hajer Hrichi	Design and evaluation of antimicrobial activity of new pyrazoles, 1,2,4-triazole and 1,3,4-thiadiazol derivatives bearing 1,4-dihydroquinoxaline moiety https://doi.org/10.1134/S1068162020050076	Russian journal of bioorganic Chemistry	Q4	0.83		Scopus

Chemistry Program

The Plan for Scientific research in Chemistry Program 1442AH

ص.ب ٢٠١٤ – الجوف – سكاكا – هاتف ٠٤ ٦٢٤٢٢٧١ – فاكس ٠٤٦٢٤٧١٨٣
E-MAIL: RECTOR@JU.EDU.SA البريد الالكتروني P.O.BOX 2014.AL-JOUF.SKAKA. TEL:04 6242271 . FAX:046247183

The Plan for Scientific research in Chemistry Program 1442AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate them using particular indicators.

The mission of the program:

Preparation of the scientific competencies in the field of Chemistry for community development and to solve environmental problems through applied research.

Objectives of the program:

1. Developing the curriculum and courses to attain educational outcomes that meet the academic standards in the Kingdom.
2. Developing the capabilities of the academic and technical staff to assist the educational process.
3. Qualifying program students with advanced fundamental sciences in the field of chemistry.
4. Conducting scientific research to keep up with scientific development in chemistry.

5. Providing various services and activities in chemistry and its applications that benefit the community.

Execute objectives:

- **Meeting the needs of the Kingdom through qualified cadres in the field of Chemistry.**

Executive plan:

Main objectives: Providing scientific research skills and research activities.

Executive Objectives	Procedures and activities	Outputs	Responsible	Follow up	Target	Period	Indicators
1) Increasing the research projects and funds that implement new trends and directions by at least two projects each **2)** Increase the rate of publication	1) Providing workshops for researchers. 2) Providing scientific advices to show the importance of increasing the publication rate. .	**1)** 70 % of the trainee know role of scientific researchers in the progress and development goals. . **2)** 80% of the attendee were aware of the importance of increasing the publication rate.	Scientific research committee	Follow-up Committee	80%	08/2020 to 06/2021	**KPI – P – 14** **KPI – P – 15** **KPI – P – 16** **KPI – P – 18** **KPI – P – 19**

Head of the program

Dr. Ibrahim Al-Sohaemi

Report of the plan for scientific research in Chemistry Program 1442AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate those using particular indicators.

The chemistry program has completed eight of the recommended plane's activities that reflect the program's objectives. The following is a detailed list of the programs that have been finished.

The following formula was used to construct the key performance indicator:

$$\frac{\textbf{The number of achieved initiatives}}{\textbf{The target number of initiatives}} \boldsymbol{X\ 100} \qquad \frac{\mathbf{8}}{\mathbf{10}} \boldsymbol{X\ 100 = 80\%}$$

Strength points

1) The chemistry program has been extensively involved in the progress and development goals to achieve the vision of 2030.

2) The initiatives that were accomplished were focused with role of scientific research in solving the environmental problem.

3) The of the scheduled events have been accomplished.

Weak points:

1) The faculty members are preoccupied with many tasks, including teaching, research and administrative tasks

2) The lowriing the number

Recommendations:

1) Recruiting more Faculty members to help with the workload.

2) Establishing partnerships with government and private agencies in Al-Jouf region.

3) Endeavour to encourage the use of the Chemistry Department to address the social problems.

Action plan progress report for scientific research in Chemistry Program 1442AH

Recommendations	Action plan	Responsible Person	Start Date	Completion Date
1) Reviewing the policies and regulations of the scientific research at Jouf University periodically. **2)** Coordinating with the local and international research institutions as a prelude to cooperate with them for the purposes of scientific research in order to serve the policies and objectives of Jouf University in building local or international partnerships	1) Many policies and regulations needs to modify 2) Concluding local and international research scientific agreements with specialized institutions.	Scientific councils	09/2020	06/2021

Report for Action plan progress in scientific research in Chemistry Program 1442AH

Progress on Implementation of Previous Year's Action Plans						
Number of KPI	**Actions Planned**	**Planned Completion Date**	**Person Responsible**	**Completed**	**If Not Complete, Give**	
					Reasons	**Proposed action**
KPI – P – 14 **KPI – P – 15** **KPI – P – 16** **KPI – P – 18** **KPI – P – 19** **(additional)**	**1)** Improving the policies and regulations of the scientific research at Jouf University periodically. **2)** Increasing the research projects and funds that implement new trends and directions by at least two projects each **3)** Coordinating with the local and international research institutions	In the beginning of the academic year	Community service committee	Yes	-----	-----

KPI-P-14: Percentage of publications of faculty members.

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
82%	100%	66%	100%	100%

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
100%	100%	72%	100%	100%

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
64.29 %	100%	60%	100%	100%

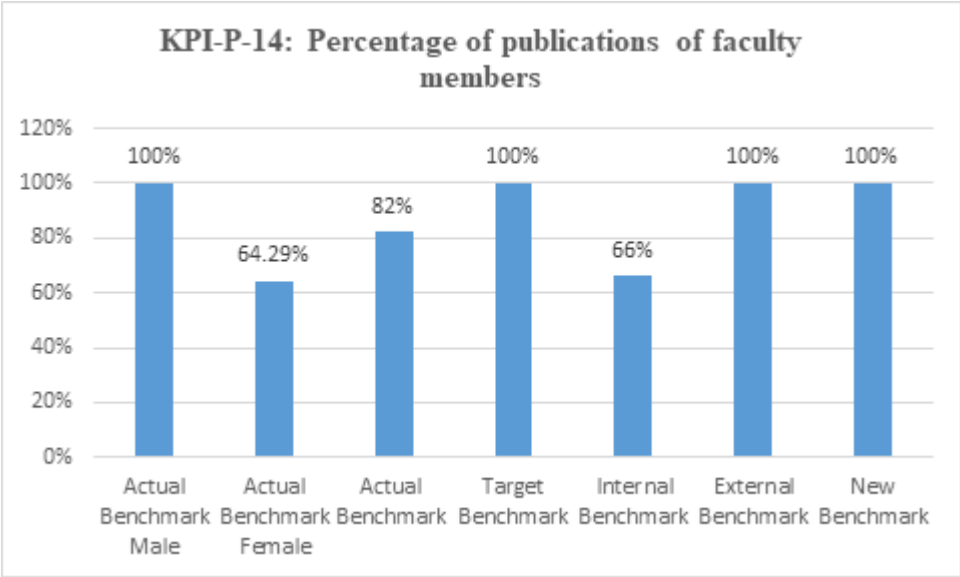


Figure 1: The percentage of publications of faculty members in the Chemistry program

Measurement way: The Percentage of publications of faculty members in the chemistry program.

Percentage of scientific publication for faculty members =

$$\frac{\textbf{Number of full-time faculty members who published at least one research during the year}}{\textbf{the total number of teaching staff in the program}} \times 100$$

Analysis:

Figure 1: shows that the actual benchmark is80.47 % that is more than the previous year 40-41 H (66%). The male section is more than the female section. The benchmark is calculated as number of staff members published at least an article this year to the total number of staff.

This ratio is calculated as number of staff members published at least an article this year to the total number of staff.

This internal benchmark was chosen because it describes the achievement of the previous year

Last academic year was taken as internal benchmark.

The external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) -

The justification of using the external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) is as follows-

- Prince Sattam Bin Abdulaziz University University was chosen because it was recently being accredited by the NCAAA, in addition to its collaboration agreement with the Ju to provide the required data for the NCAAA KPIs.
- Prince Sattam Bin Abdulaziz University similar to jouf university in governance, infrastructure and budgetary systems.
  The Chemistry program at Prince Sattam Bin Abdulaziz University is similar to the program offered by Jouf University

Reommendations:

Work to provide research laboratories equipped with the latest equipment to raise the rate of scientific publishing for faculty members of the program in scientific journals with high impact factors

Proposals for improvement: Improvement of research facilities and the increment of number of financed projects may enhance the value of this indicator.

KPI-P-15: Rate of published research per faculty member.

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
2.53	3	1.7	6.2	5

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
2.56	3	2.49	-	5

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
2.5	3	0.91	-	5

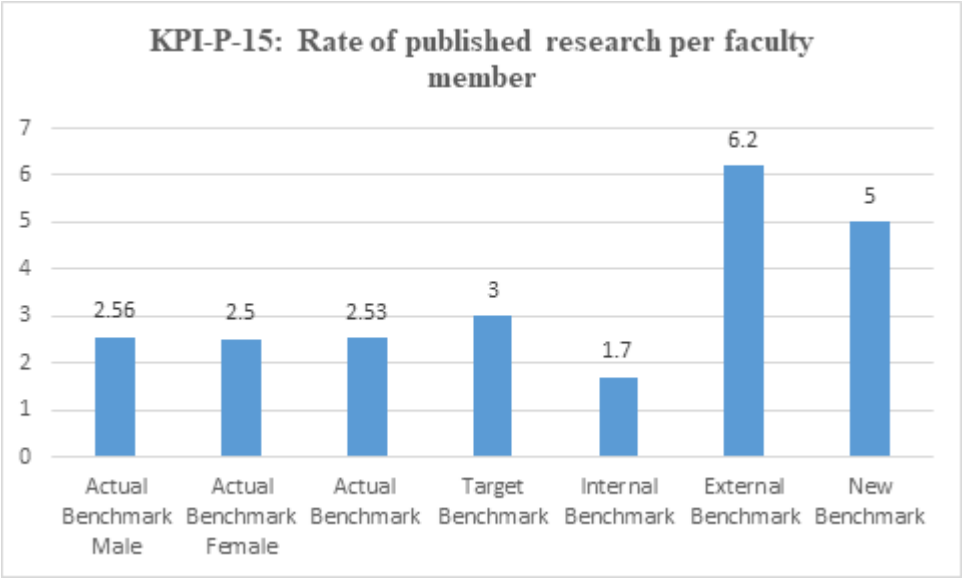


Figure 2: The rate of published research per faculty member in the Chemistry program .

Measurement way: ***The rate of published research per faculty member in the chemistry program=***

$$\frac{\textit{The total number of research published during the year}}{\textit{The total number of teaching staff in the program}}$$

Analysis:

Figure 2: Results show increasing in the number of refereed publications in international impacted journals per full time equivalent teaching staff in the academic year42/41 compared to 41/40.

This ratio is calculated as number of all published articles this year to the total number of staff.

Last academic year was taken as internal benchmark.

The external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) -

The justification of using the external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) is as follows-

- Prince Sattam Bin Abdulaziz University University was chosen because it was recently being accredited by the NCAAA, in addition to its collaboration agreement with the Ju to provide the required data for the NCAAA KPIs.
- Prince Sattam Bin Abdulaziz University similar to jouf university in governance, infrastructure and budgetary systems.
  The Chemistry program at Prince Sattam Bin Abdulaziz University is similar to the program offered by Jouf University

Strengths:

Rate of published research per faculty member in male section is relatively

higher than that of female section

Recommendations:

The ratio is aimed to be increased in the next year through increasing the number of research projects financed by the Main campus

KPI-P-16: Citations rate in refereed journals per faculty member.

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
62	90	2.31	108.75	90

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
114.4	150	**2.84**	-	150

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
9.75	30	1.79	-	30

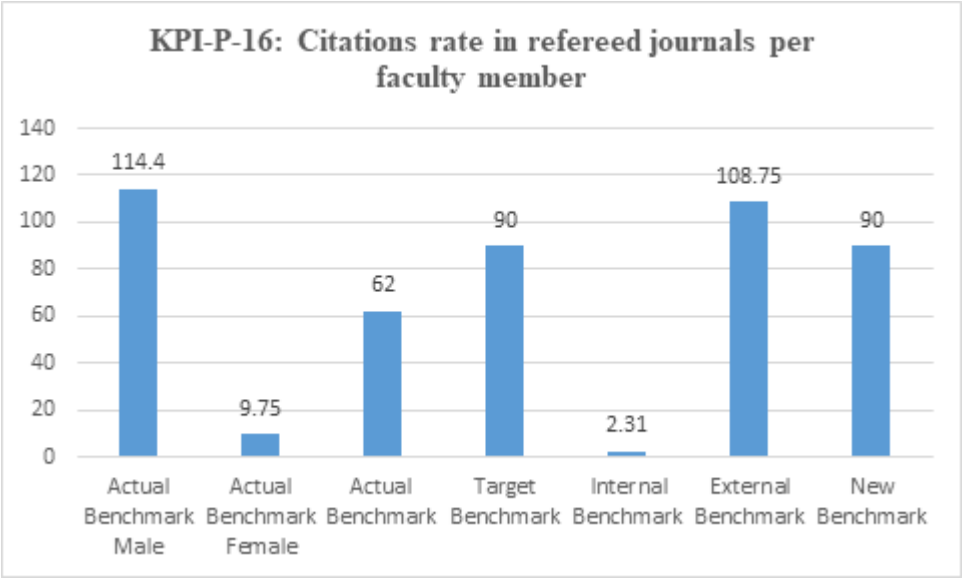


Figure 3: The Citations rate in refereed journals per faculty member in the Chemistry program .

Measurement way: The Citations rate in refereed journals per faculty member=

$$\frac{\textbf{The total number of citations in refereed journals from scientific research published by faculty members}}{\textbf{The total number of scientific research published for faculty members}}$$

***Analysis*:**

Figure 3: Results show that the number of citations in refereed journals per full time equivalent faculty members in the academic year42/41 compared to 41/40. This may be due to the increase in the number of publication and improvement of the research experimental facilities. However, this number is aimed to be increased with the increased number of publications in the next year.

This internal benchmark was chosen because it describes the achievement of the previous

year.

A questionnaire is applied and analyzed on a scale from one to five.

Last academic year was taken as internal benchmark.

The external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) -

The justification of using the external benchmark Chemistry program in Prince Sattam Bin Abdulaziz University (PSAU) is as follows-

- Prince Sattam Bin Abdulaziz University University was chosen because it was recently being accredited by the NCAAA, in addition to its collaboration agreement with the Ju to provide the required data for the NCAAA KPIs.
- Prince Sattam Bin Abdulaziz University similar to jouf university in governance, infrastructure and budgetary systems.
  The Chemistry program at Prince Sattam Bin Abdulaziz University is similar to the program offered by Jouf University

-
- the actual KPI No. is not reached to the target one, therefore the latter is taken to be the new benchmark.

- **Recommendations:**
- Work to provide research laboratories equipped with the latest equipment to raise the rate of scientific publishing for faculty members of the program in scientific journals with high impact factors.

KPI-P-18: No. of research groups in the program.

Program

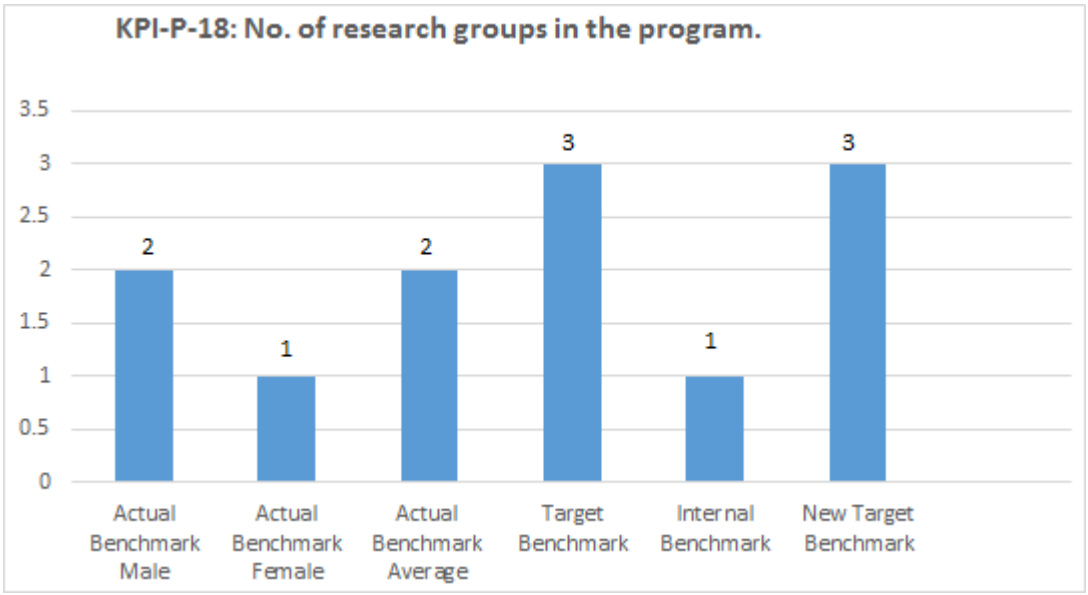
Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
2	3	1	Not available	3

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
2	3	1	Not available	3

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
1	2	0	- Not available	2



Measurement way:

The number of research groups projects received by faculty members in the program annually

The number of research groups: 2

Analysis:

The results show that the Number of research groups in the program in the Chemistry program in the Main campus (2).

There is a difference between the male and female scales for Number of research groups in the program in the Chemistry program.

Generally the male section is more than that of female section.

This internal benchmark was chosen because it describes the achievement of the previous year

Last academic year was taken as internal benchmark.

The external benchmark is not available

KPI-P-19: No. of subsidized research projects that you receive from program staff annually

Program

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
5	10	3	Not available	10

(Male Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
3	10	4	Not available	10

(Female Section)

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**	New Target Benchmark
6	10	2	- Not available	10

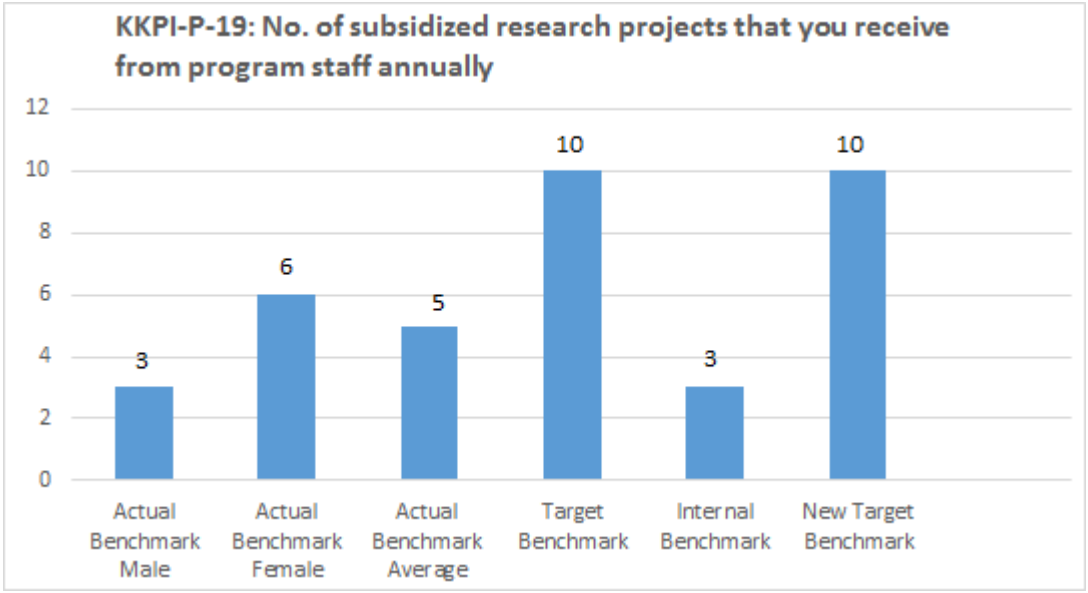


Figure 4: The number of funded research projects that the number of funded research projects program's employees obtain annually in the Chemistry program .

***Measurement way**: Number of research projects supported annually*

Number of research projects supported annually in the program for female part: 6

Number of research projects supported annually in the program for male part: 3

Total Number of research projects supported annually: 9

Analysis:

Figure 4: The results show a higher rate of the number of funded research projects program's employees obtain annually in the academic year42/41 compared to 41/40. That implies a continuous improvement in the provided funds. It is clear that the female section got double than that of male section.

Furthermore, the actual KPI No. is not reached to the target one, therefore the latter is taken to be the new benchmark.

- **Strengths:**

  The number of funded research projects program's employees obtain annually in the Chemistry program at the Main campus level is more than that of the internal benchmark

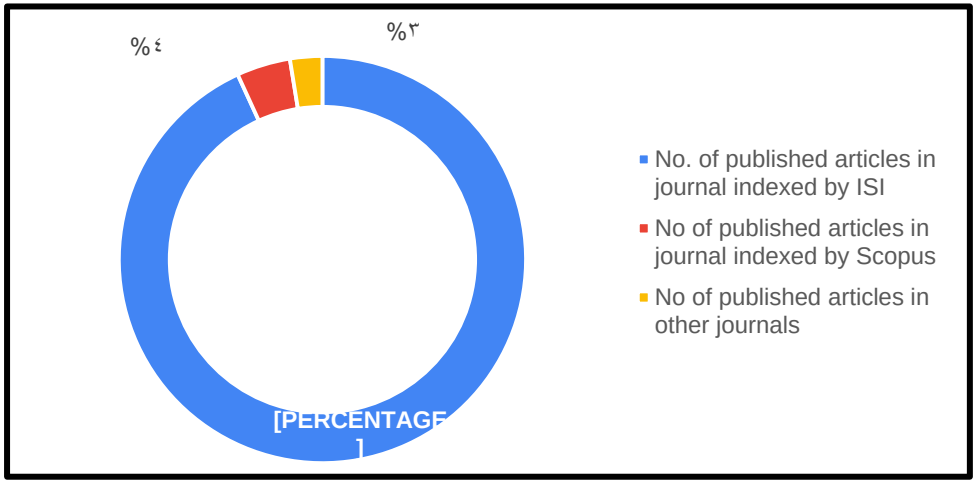
- **Recommendations:**
- Given that it represents the effective indicator for a continuous improvement in the provided funds by the main campus.

Kingdom of Saudi Arabia
Ministry of education
Jouf University
College of Science
Chemistry Department

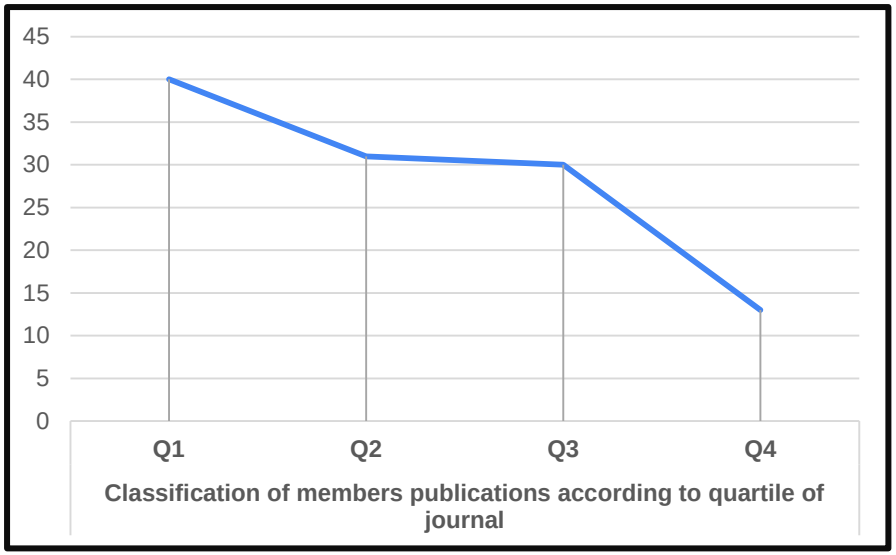
المملكة العربية السعودية
وزارة التعليم
جامعة الجوف
كلية العلوم
قسم الكيمياء

Number of Published articles in 2021

No. of published articles in journal indexed by ISI	No of published articles in journal indexed by Scopus	No of published articles in other journals	Total Number of published articles
111	5	3	119



Classification of members publications according to quartile of journal			
Q1	**Q2**	**Q3**	**Q4**
40	**31**	**31**	**14**



List of Published articles

No	Name	Title of research	Journal	Quartile	Rank in Category	ISI /SCOUPUS / other
1	Rania Hosny Taha	Biosynthesis of Zinc Nanocomplex Employing for Plant Growth Promotion and Bio-Control of Pythium ultimum	Intech open	non	non	None
2	El Ghorab Ahmed	Repurposing of FDA approved alkaloids as COVID 19 inhibitors; in silico studies	Pharmacognosy Journal	Q1	non	Scopus
3	Ismail Mohamed Ahmed	A novel adsorbent functionalized with tri - octylamine (TOA) to effective removal of Cr(VI) from sulfate medium	Journal of the Taiwan Institute of Chemical Engineers	Q1	25/143	Wos
4	Asma M Alenad	A simplistic molecular agglomeration of carbon nitride for optimized photocatalytic performance	Surfaces and Interfaces	Q1	29/123	Wos
5	Ibrahim Hotan Alsohaimi	Adsorptive performance of tetracarboxylic acid-modified magnetic silica nanocomposite for	Journal of Molecular Liquids	Q1	4/37 Top 10	Wos

		recoverable efficient removal of toxic Cd(II) from aqueous environment: Equilibrium, isotherm, and reusability studies				
6	Ibrahim Hotan Alsohaimi	Antifouling efficiency and high-flux ultrafiltration membrane comprising sulfonated poly (ether sulfone) and TNTs-g-PSPA nanofiller	Journal of the Taiwan Institute of Chemical Engineers	Q1	25/143	Wos
7	Hassan M. A. Hassan	Copper nanoparticle-decorated RGO electrodes as hole transport layer of perovskite solar cells enhancing efficiency and shelf stability	j o u r n a l of ma t e r i a l s r e s e a r c h and technology	Q1	104/334	Wos
8	El Ghorab Ahmed	Correlation between chemical composition and radical scavenging activity of 10 commercial essential oils: Impact of microencapsulation on functional properties of essential oils	Arabian Journal of Chemistry	Q1	0.789	Wos

9	Ibrahim Hotan Alsohaimi	Fabrication of novel valorized ecofriendly olive seed residue/ anthracite/chitosan composite for removal of Cr (VI): kinetics, isotherms and thermodynamics modeling	Cellulose	Q1	11/90	Wos
10	Ibrahim Hotan Alsohaimi	Fabrication of sulfonated polyethersulfone ultrafiltration membranes with an excellent antifouling performance by impregnating with polysulfopropyl acrylate coated ZnO nanoparticles	Environmental Technology & Innovation	Q1	64/274	Wos
11	Ibrahim Hotan Alsohaimi	Photocatalytic Degradation of Methylene Blue and Antibacterial Activity of Mesoporous TiO2-SBA-15 Nanocomposite Based on Rice Husk	Adsorption Science & Technology	Q1	18/74	Wos
12	29/123	Platinum-alumina modified SO42−-ZrO2/Al2O3 based bifunctional catalyst for significantly improved n-butane isomerization	Surfaces and Interfaces	Q1	29/123	Wos

		performance				
13	M. A. El-Hashemy	Purification of benzene-laden air by static adsorption of benzene onto activated carbon prepared from Diplotaxis acris biomass	Biomass Conversion and Biorefinery	Q1	31/143	Wos
14	Ibrahim Hotan Alsohaimi	Remediation and detoxification of water samples contaminated with 2, 4, 6-trichlorophenol by gamma radiation and ozonation	Radiation Physics and Chemistry	Q1	3/34 Top 10	Wos
15	Ibrahim Hotan Alsohaimi	Selective and efficient sequestration of Cr(VI) in ground water using trimethyloctadecylammonium bromide impregnated on Artemisia monosperma plant powder	Journal of the Taiwan Institute of Chemical Engineers	Q1	25/143	Wos
16	M Y , El-Sayed	Spectrophotometric studies on the charge transfer interactions between thiazolidine as a donor and three pi-acceptors: p-	Journal of Molecular Liquids	Q1	4/37 Top 10	Wos

		Chloranil (CHL), DDQ and TCNQ				
17	Ibrahim Hotan Alsohaimi	Tailoring an efficient nanocomposite of activated carbon-layered double hydroxide for elimination of water-soluble dyes	Journal of Alloys and Compounds	Q1	6/80 Top 10	Wos
18	Amr A. Essawy	Selective and efficient sequestration of Cr(VI) in ground water using trimethyloctadecylammonium bromide impregnated on Artemisia monosperma plant powder	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	Q1	25 /143	WoS &Scopus
19	Asma M Alenad	A butterfly shaped organic heterojunction photocatalyst for effective photocatalytic CO 2 reduction	CrystEngComm	Q1	108/455	WoS &Scopus
20	Asma M Alenad	A molecular amalgamation of carbon nitride polymer as emphasized photocatalytic performance	International Journal of Energy Research	Q1	1/34 Top 10	WoS &Scopus

21	M. R. El-Aassar	Antibiotic-free combinational hyaluronic acid blend nanofibers for wound healing enhancement	International Journal of Biological Macromolecules	Q1	6/90 Top 10	WoS &Scopus
22	M. R. El-Aassar	Biotechnological applications of polymeric nanofiber platforms loaded with diverse bioactive materials	Polymers	Q1	18/90	WoS &Scopus
23	Asma M Alenad	Bipyridine-based polybenzimidazole as a nitrogen-rich ionomer and a platinum nanoparticle support for enhanced fuel cell performance	Fuel	Q1	9/100 Top 10	WoS &Scopus
24	M. R. El-Aassar	Characterization valorized anthracite and its application in manganese (VII) adsorption from aqueous solution; batch and column studies	Microporous and Mesoporous Materials	Q1	12/74	WoS &Scopus
25	Asma M Alenad	Comprehensive Review of the Properties and	polymer	Q1	37/158	WoS &Scopu

		Modifications of Carbon Fiber-Reinforced Thermoplastic Composites				s
26	M. R. El-Aassar	Development of photo-induced Ag0/TiO2 nanocomposite coating for photocatalysis, self-cleaning and antimicrobial polyester fabric	Journal of Materials Research and Technology	Q1	9/80 Top 10	WoS &Scopus
27	Sabrein H. Mohamed	Evaluation of Diferent Sudan Dyes in Egyptian Food Samples Utilizing Liquid Chromatography/Tandem Mass Spectrometry	Food Analytical Methods	Q1	8/88 Top 10	WOS &Scopus
28	A.A.Nayl	Fabrication and characterization of a novel (GO/PAA/PAM) nanocomposite as effective adsorbent for cationic dyes	Journal of Materials Research and Technology	Q1	9/80 Top 10	WoS &Scopus
29	M. R. El-Aassar	Fabrication of novel valorized ecofriendly olive seed	Cellulose	Q1	1/22 Top 10	WoS &Scopus

		residue/anthracite/chitosan composite for removal of Cr (VI): kinetics, isotherms and thermodynamics modeling				
30	Asma M Alenad	Handy Protocol of Nitrogen-Doped BiVO4 Photoanode for Visible Light-Driven Water Oxidation	ACS Applied Energy Materials	Q1	52/292	WoS &Scopus
31	Asma M Alenad	Highly Selectiveelectrocatalysis for carbon dioxide reduction to formic acid by a Co (II) complex with an equatorial N4 ligand	Electrochimica Acta	Q1	17/279 Top 10	WoS &Scopus
32	Asma M Alenad	Molecular grafting based polymeric carbon nitride for wondrous artificial photosynthesis	International Journal of Energy Research	Q1	58/224	WoS &Scopus
33	ًRania Hosny Taha	Mycogenic Nano-Complex for Plant Growth Promotion and Bio-Control of Pythium aphanidermatum	Plants	Q1	195/445	WoS &Scopus
34	Mutairah Shaker	Novel 1,5-diaryl pyrazole-3-carboxamides as selective	Bioorganic	Q1	25/125	WoS &Scopu

	Alshammari	COX-2/sEH inhibitors with analgesic, anti-inflammatory, and lower cardiotoxicity effect	Chemistry			s
35	Asma M Alenad	Organic Conjugation of Polymeric Carbon Nitride for Improved Photocatalytic CO2 Conversion and H2 Fixation	Energy Technology	Q1	66/114	WoS &Scopus
36	Modather Farouk hussein	potato peel waste derived carbon based soild acid for the esterfication of oliec acid to biodiesel	Environmental Technology & Innovation	Q1	53/95	WoS &Scopus
37	Asma M Alenad	Reductive Amination, Hydrogenation and Hydrodeoxygenation of 5-Hydroxymethylfurfural using Silica-supported Cobalt-Nanoparticles	ChemCatChem	Q1	6/69 Top 10	WoS &Scopus
38	Asma M Alenad	Selectivity, stability and reproducibility effect of Uric acid integrated carbon nitride for photocatalytic application	Journal of Photochemistry and Photobiology A: Chemistry	Q1	40/279	WoS &Scopus
39	Asma M Alenad	Simple and efficient design towards a significant improvement of the optical absorption of amorphous	Journal of Quantitative Spectroscopy and Radiative	Q1	23/74	WoS &Scopus

		silicon solar cell	Transfer			
40	Modather F. Hussein	Solar energy conversion to electricity by Tris (2, 2'-bipyrdyl) Ruthenium (II) chloride hexahydrate-diethyl ammonium tetrachloroferrate-oxalic acid photogalvanic cell …	Journal of Molecular Liquids	Q1	48/81	WoS &Scopus
41	Mutairah Shaker	Synthesis of ionic liquid intercalated layered double hydroxides of magnesium and aluminum: A greener catalyst of Knoevenagel condensation	Journal of Saudi Chemical Society	Q1	25	WoS &Scopus
42	Asma M Alenad	Unusual doping induced phase transitions in NiS via solventless synthesis enabling superior bifunctional electrocatalytic activity	Sustainable Energy & Fuels	Q2	42/195	WoS &Scopus
43	Mervat A. Elsherif	Antibacterial evaluation and molecular properties of pyrazolo[3,4-b] pyridines and thieno[2,3-b]pyridines	Journal of Applied Pharmaceutical Science	Q2	33/67	Scopus
44	Amr A. Essawy	Tailoring the structuralism in xBaO center dot(30-x)Li2O center dot 70B(2)O(3) glasses for highly efficient	PHYSICA SCRIPTA	Q2	40 / 86	Wos

		shields of Gamma radiation and neutrons attenuators				
45	Modather F. Hussein	Assessment of polyethylene/Zn-ionic as a diesel fuel sulfur adsorbent: gamma radiation effect and response surface methodology	Environmental Science and Pollution Research	Q2	55/99	Wos
46	Hassan M. A. Hassan	CaO nanoparticles incorporated metal organic framework (NH2-MIL-101) for Knoevenagel condensation reaction	Arabian Journal of Chemistry	Q2	54/178	Wos
47	Ibrahim Hotan Alsohaimi	Evaluating the performance of chitosan and chitosan-palm membrane for water treatment: preparation, characterization and purification study	Journal of Taibah University for Science	Q2	35/72	Wos
48	Hassan M. A. Hassan	Influence of tungsten substitution on structure, optical, vibrational and magnetic properties of hydrothermally prepared NiFe2O4	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	Q2	205/334	Wos
49	Modather F.	Nanostructured Palladacycle and its Decorated Ag-NP	Arabian Journal for Science and	Q2	84/130	Wos

	Hussein	Composite: Synthesis, Morphological Aspects, Characterization, Quantum Chemical Calculation and Antimicrobial Activity	Engineering			
50	Yasser A. El-Ossaily	Performance of unprecedented synthesized biosurfactants as green inhibitors for the corrosion of mild steel-37-2 in neutral solutions: a mechanistic approach	Green Chemistry Letters and Reviews	Q2	21/44	Wos
51	Hassan M. A. Hassan	Towards superior permeability and antifouling performance of sulfonated polyethersulfone ultrafiltration membranes modified with sulfopropyl methacrylate functionalized SBA-15	Chinese Journal of Chemical Engineering	Q2	64/143	Wos
52	Asma M Alenad,	A Superficial Intramolecular Alignment of Carbon Nitride through Conjugated Monomer for Optimized Photocatalytic CO2 Reduction	Catalysts	Q2	61/169	WoS &Scopus
53	amira atef ghoneim	An efficient colorimetric inspection of ammonia using silver nanoparticles	Journal of Physical Organic	Q2	23	WoS &Scopus

		synthesized by 3-(1-(2-(2,4-dinitrophenyl)hydrazono)ethyl)-1H-indole as chemo …	Chemistry			
54	Mutairah Shaker Alshammari	Assessment of Sewage Water Treatment Using Grinded Bauxite Rock as a Robust and Low-Cost Adsorption	Hindawi Journal of Chemistry	Q2	20	WoS &Scopus
55	El Ghorab Ahmed	Chemical characteristics and targeted encapsulated Cordia myxa fruits extracts nanoparticles for antioxidant and cytotoxicity potentials	Saudi journal of biological sciences	Q2	24/93	WoS &Scopus
56	A.A.Nayl	Combining Chemical Coagulation Process and Innovative Aerobic Reactor for the Treatment of De-Hairing Wastewater	Waste and Biomass Valorization volume	Q2	108/274	WoS &Scopus
57	Mutairah Alshammari	comDevelopment of activated carbon-impregnatedalginate*-cyclodextrin/gelatin beads for highlyperformance sorption of 2,4-dichlorophenol fromwastewater	j m a t e r r e s t e c h n o l	Q2	23	WoS &Scopus
58	Mervat A. Elsherif	Construction, molecular docking, antimicrobial and antioxidant activity of some	Journal of Saudi Chemical Society	Q2	56/398	WoS &Scopus

		novel 3-substitued indole derivatives using 3-Acetyl indole				
59	Cyrine El Baher Dhafer	Development of new polypropylene surgical sutures coated with antibacterial silver nanoparticles and carboxymethylpullulan bioactive Molecules	Wulfenia	Q2	336/445	WoS &Scopus
60	Nadia A.A.Elkanzi	Facile One-Pot Multicomponent Synthesis of Pyrazolo-Thiazole Substituted Pyridines with Potential Anti-Proliferative Activity: Synthesis, In Vitro and In Silico Studies	Molecules	Q2	-	WoS &Scopus
61	Amr A. Essawy	**Facile synthesis and characterization of novel Gd2O3–CdO binary mixed oxide nanocomposites of highly photocatalytic activity for wastewater remediation under solar illumination**	Journal of Physics and Chemistry of Solids	Q2	68 of 178	WoS &Scopus
62	M. R. El-Aassar	Interpenetration of metal cations into polyelectrolyte-	Colloids and Surfaces A:	Q2	64/162	WoS &Scopu

		multilayer-films via layer-by-layer assembly: Selective antibacterial functionality of cationic guar gum/ polyacrylic acid- Ag+ nanofilm against resistant E. coli	Physicochemical and Engineering Aspects			s
63	El Ghorab Ahmed	In-vitro stress stability, digestibility and bioaccessibility of curcumin-loaded polymeric nanocapsules In-vitro stress stability, digestibility and bioaccessibility of curcumin-loaded polymeric nanocapsules	Journal Of Experimental Nanoscience	Q2	89/179	WoS &Scopus
64	Rasha M. K. Mohamed	Modulation of morphological, optical and magnetic properties of Cr-doped La 0.9 Ce 0.1 FeO 3 nanoferrites synthesized by surface-active ionic liquid aided hydrothermal route	Applied Physics A	Q2	0.485	WoS &Scopus
65	El Ghorab Ahmed	Myricetin: A comprehensive review on its biological potentials	Food Sci Nutr	Q2	68/144	WoS &Scopus
66	Nadia A.A.Elkanzi	New 1,2,3-Triazole-Containing Hybrids as	Molecules	Q2	116/152	WoS &Scopu

		Antitumor Candidates: Design, Click Reaction Synthesis, DFT Calculations, and Molecular Docking Study				s
67	Mutairah Shaker Alshammari	New spectrophotometric protocol using tetrathiosemicarbazone derivative chelating (TTSC) for the assessment of trace level of cadmium(II) in drinking water	International Journal of Environmental Analytical Chemistry	Q2	336/445	WoS &Scopus
68	Nadia A.A.Elkanzi	Novel N-bridged pyrazole-1-carbothioamides with potential antiproliferative activity: design, synthesis, in vitro and in silico studies	Future medicinal chemistry	Q2	20/61	WoS &Scopus
69	Mervat A. Elsherif	Olive Leaf Powder Modulate InsulinProduction and Circulating Adipokinesin Streptozotocin Induced Diabetic Rats	Journal of Dietary Supplements	Q2	97/246	WoS &Scopus
70	Nadia A.A.Elkanzi & (N.A.A.Elkanzi)	Performance and photoresponse characterizations of pyrimidine quinolone carboxylate derivatives films-based heterojunction devices	Optik	Q2	79/246	WoS &Scopus

71	Asma M Alenad	Reductive N-alkylation of primary amides using nickel-nanoparticles	Tetrahedron	Q2	Non	WoS &Scopus
72	Mutairah Shaker Alshammari	Solvent extraction of cerium from various solutions by organophosphorus-based extractants: a review	Desalination and Water Treatment	Q2	96/345	WoS &Scopus
73	Mutairah Shaker Alshammari	Ultrasonic-Assisted Synthesis and Characterization of Chitosan-Graft-Substituted Polyanilines: Promise Bio-Based Nanoparticles for Dye Removal and Bacterial Disinfection	Hindawi Journal of Chemistry	Q3	97/246	WoS &Scopus
74	Tamer H. A. Hasanin	Corrosion Inhibitation of Cu-Zn Alloys in NaCl Solution Using Isatin	Egyptian Journal of Chemistry	Q3	88/167	Scopus
75	Sabrein H. Mohamed	Validated HPLC Method for Quantitative Analysis of Gallic Acid and Rutin in Leaves of Moringa Oleifera Grown in Egypt	Egyptian Journal of Chemistry	Q3	167/88	WOS & Scopus
76	Ismail Mohamed Ahmed	Adsorption of Cr(VI) using α-Fe2O3 Coated hydroxy magnesium silicate (HMS): isotherm, thermodynamic and	International Journal of Environmental Analytical	Q3	68/86	Wos

		kinetic study	Chemistry			
77	Yasser A. El-Ossaily	Investigation of three synthesized propane bis-oxoindoline derivatives as inhibitors for the corrosion of mild steel in sulfuric acid solutions	Journal of Molecular Structure	Q3	83/162	Wos
78	Ibrahim Hotan Alsohaimi	Multiuse silicon hybrid polyurea-based polymer for highly effective removal of heavy metal ions from aqueous solution	International Journal of Environmental Science and Technology	Q3	149/274	Wos
79	Rania Hosny Taha	Recovery of uranium from ferruginous Shale mineralization from Um Bogma formation, Egypt, via Duolite ES-467 chelating resin	Zeitschrift für anorganische und allgemeine Chemie	Q3	50/69	Wos
80	Wassila Derafa	removal of heavy metals from groundwater using silica/activated carbon composite	Desalination and water treatment	Q3	54/96	Wos
81	El Ghorab, Ahmed	Safety assessment of foods at capital hospital of pakistan through the hazard analysis and critical control point	, J Food Prot. 2020 Aug 1;83(8):1387-1395	Q3	0.613	Wos

		system				
82	amira ghoneim	amira ghoneim An Efficient Procedure of Synthesis, DFT Calculation and Theoretical Investigation of 4-Thiazolidinone Fused Thiopyrimidine Derivatives as Antimicrobial Agents	Polycyclic Aromatic Compounds	Q3	35	WoS &Scopus
83	amira ghoneim	An Efficient Procedure of Synthesis, DFT Calculation and Theoretical Investigation of 4-Thiazolidinone Fused Thiopyrimidine Derivatives as Antimicrobial Agents	Polycyclic Aromatic Compounds	Q3	35	WoS &Scopus
84	amira atef	CrossRef citations to date 0 Altmetric Research Article Design, Synthesis, Molecular Docking and Antimicrobial Activity of Novel Thiazolo[5,4-c]Pyridine Glycoside and Thiazolo[4,5-d]Pyrimidin Glycoside	Polycyclic Aromatic Compounds	Q3	35	WoS &Scopus
85	Mutairah Shaker Alshammari	A glassy polyvinyl alcohol/silica gel hybrid composite for safranin removal: Adsorption, kinetic and thermodynamic studies	Research on Chemical Intermediates	Q3	19	WoS &Scopus

86	amira ghoneim	An Efficient Procedure of Synthesis Acyclic C-Glycosides of Thiazolo [4, 5-b]Pyrazine and Imidazo[4,5-d]Thiazole with Expected Anti-Cancer Activities	Polycyclic Aromatic Compounds	Q3	35	WoS &Scopus
87	Hajer Hrichi	Analytical methods for the quantification of cisplatin, carboplatin, and oxaliplatin in various matrices over the last two decades	Current pharmaceutical analysis	Q3	98/166	WoS &Scopus
88	Hajer Hrichi	Antioxidant, antimicrobial, and molecular docking studies of novel chalcones and Schiff bases bearing 1, 4-naphthoquinone moiety	Letters in Drug Design & Discovery	Q3	55/59	WoS &Scopus
89	Sabrein H. Mohamed	Assurance of Nano-Molar Amounts of a Tricyclic Antidepressant; Clomipramine Hydrochloride in Bulk, Pharmaceutics and Biological Fluids Utilizing Solid Contact Sensors	International Journal of Pharmaceutical Sciences Review and Research	Q3	0.18	Scopus
90	amira ghoneim	Design, Synthesis, Molecular Docking and Antimicrobial Activity of Novel Thiazolo [5, 4-c] Pyridine Glycoside and	Polycyclic Aromatic Compounds	Q3	35	WoS &Scopus

		Thiazolo [4, 5-d] Pyrimidin Glycoside				
91	Nadia A.A.Elkanzi	Effect of the newly synthesized Pyrazole, And Pyrazolo Pyrimidine derivatives on Pythium Aphanidermatum (Edson) Fitzp	Egyptian Journal of Chemistry	Q3	260/398	WoS &Scopus
92	A. M. Nassar	Electrochemical Sensor Based on CuO Nanoparticles Fabricated From Copper Wire Recycling-loaded Carbon Paste Electrode for Excellent Detection of Theophylline in Pharmaceutical Formulations	Electrocatalysis	Q3	19/29	WoS &Scopus
93	M. R. El-Aassar	Free-Standing Working Electrodes for Supercapacitors Based on Composite Polymer Nanofibers and Functionalized with Graphene Oxide	Journal of Electronic Materials	Q3	249/334	WoS &Scopus
94	Modather Farouk	High-Performance Rheology Modifiers and Fluid Loss of Starch-Bentonite Mixed System in Mud Fluids: Experimental and	Egyptian Journal of Chemistry	Q3	88/167	WoS &Scopus

		Optimization Study				
95	Rania Hosny Taha	Novel biosynthesis of Ag-nanocomplex for controlling Verticillium wilt disease of olive tree	Archives of Phytopathology and Plant Protection	Q3	218/347	WoS &Scopus
96	Mutairah Alshammari	On the electrocatalytic reduction of CO2 using Cu-nanoparticles decorating Au electrode	Desalination and Water Treatment	Q3	119/350	WoS &Scopus
97	Basma A. A. Balboul	Physicochemical impacts of formation and assembly of quantum dots flowery island of the (Sr-Cr-O) semiconductor	Egyptian Journal of Chemistry	Q3	260/398	WoS &Scopus
98	Rasha M. K. Mohamed	Qualitative Analysis of Two Phenolic isomers of Carvacrol and Thymol by using Briggs-Rauscher Oscillator System	International Journal of ELECTROCHEMICAL SCIENCE	Q3	146/351	WoS &Scopus
99	M. R. El-Aassar	Reduction of non-point source pollution by poly(styrene-co-acrylonitrile) composites nanofibers inoculated with sorbent materials	International Journal of Environmental Science and Technology	Q3	149/274	WoS &Scopus
100	Wassila	Removal of heavy metals from groundwater using	Desalination Water and	Q3	44/96	WoS &Scopu

	Derafa	silica/activated carbon composite	Treatment			s
101	Basma A. A. Balboul	Surface active holmia/ -alumina nanocatalyst: Preparation and characterization	Main Group Chemistry Journal	Q3	209/292	WoS &Scopus
102	Nadia A.A.Elkanzi	Thiochromene candidates: design, synthesis, antimicrobial potential and in silico docking study	Journal of the Iranian Chemical Society	Q3	118/179	WoS &Scopus
103	El Ghorab Ahmed	Volatile Constituents of Cistanche tubulosa and Their Antioxidant and Antimicrobial Potentials	| Records Of Natural Products	Q4	48/74	WoS &Scopus
104	Sabrein H. Mohamed	Detection and Identification of Adulteration in Vinegar Samples Based on Reversed-Phase High-Performance Liquid Chromatographic (RP-HPLC) Strategies	ACS food Science & technology	non	Non	None
105	Rasha M. K. Mohamed	Gum Acacia, An Intelligent Polysaccharide:Synthesis, characterization and biological screening of metal nanoparticles loaded Gum Acacia microgels	Gum Acacia, an Intelligent Polysaccharide	Q4	0.3	None

106	M. R. El-Aassar	Reusing and characterization of the used reverse osmosis membrane and its application in surface water purification	Egyptian Journal of Aquatic Biology and Fisheries	Q4	197/224	Scopus
107	Ibrahim Hotan Alsohaimi	Analytical detection methods for diagnosis of COVID-19: developed methods and their performance	BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT	Q4	147/159	Wos
108	Ismail Mohamed Ahmed	Mg-Cr Layered Double Hydroxide (LDH) Intercalated with Sodium Dodecyl Sulfate as Sorbent for Alizarin Red-S in Aqueous Solutions	Arab Journal of Nuclear Sciences and Applications	Q4	Non	Wos
109	Ismail Mohamed Ahmed	Overview on the Removal of Iron from Phosphoric Acid: A Comparative Study	Arab Journal of Nuclear Sciences and Applications	Q4	Non	Wos
110	MY, El-Sayed	PREPARATION, SPECTROSCOPIC, THERMAL AND MOLECULAR DOCKING STUDIES OF COVID-19 PROTEASE ON THE MANGANESE(II), IRON(III), CHROMIUM(III) AND COBALT(II) CREATININE COMPLEXES	Bull. Chem. Soc. Ethiop	Q4	137/178	Wos

111	Yasser A. El-Ossaily	Synthesis, Characterization, and Antifungal Activity of Some New Thieno[2,3-b]pyridines Incorporating Quinazoline or Benzimidazole Moiety	Russian Journal of Bioorganic Chemistry,	Q4	53/57	Wos
112	El Ghorab Ahmed	Chemical profiling, HPLC characterization and in-vitro antioxidant potential of Pakistani propolis collected from peripheral region of Faisalabad	Cellular And Molecular Biology	Q4	265/298	WoS &Scopus
113	amira ghoneim	Design, Synthesis, and Antifungal Activity of Some New Thiazolo[4,5-d]pyrimidine-5-thione Derivatives	Russian Journal of Organic Chemistry	Q4	33/245	WoS
114	El Ghorab Ahmed	Preventive role of propolis against hyperglycemia and hyperlipidemia in Sprague dawley rats (Rattus norvegicus) animal modelling system	CELLULAR AND MOLECULAR BIOLOGY	Q4	265/295	WoS &Scopus
115	MY,El-Sayed	Spectroscopic and Fluorescence Studies on the Trivalent Ce, Eu, Nd and La Metal Ions Rhodamine C	SPECTROSCOPY AND SPECTRAL ANALYSIS	Q4	41/43	WoS &Scopus

		Florescent Dye Complexes				
116	El Ghorab Ahmed	The impact of some bioregulators on growth, chemical characters and radical scavenging properties of onion volatile oil.	Pak. J. Agri. Sci.	Quaterly	Non	WoS &Scopus
117	Nadia A.A.Elkanzi	Short Review on pharmacological Characteristics and Synthesis of pyrazole	Heterocyclic Letters	Quaterly	Non	Wos
118	Nadia A.A.Elkanzi	Novel 1,2-thiazine-pyridine hybrid: Design, synthesis, antioxidant activity and molecular docking study	Letters in Drug Design & Discovery	Q3	55/59	WoS &Scopus
119	Sabrein H. Mohamed	An Eco-Concerned Development of a Fast, Precise and Economical Spectrophotometric Assay for the Antiviral Drug Simeprevir based on Ion-Pair Formation	Biointerface research in applied chemistry	Q4	0.22	WOS Scopus

Chemistry Program

The Plan for Scientific research in Chemistry Program 1443AH

ص.ب ٢٠١٤ – الجوف – سكاكا – هاتف ٠٤ ٦٤٢٤٢٧١ – فاكس ٠٤٦٢٤٧١٨٣
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The Plan for Scientific research in Chemistry Program 1443 AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate them using particular indicators.

The mission of the program:

Preparation of the scientific competencies in the field of Chemistry for community development and to solve environmental problems through applied research.

Objectives of the program:

1. Developing the curriculum and courses to attain educational outcomes that meet the academic standards in the Kingdom.
2. Developing the capabilities of the academic and technical staff to assist the educational process.
3. Qualifying program students with advanced fundamental sciences in the field of chemistry.
4. Conducting scientific research to keep up with scientific development in chemistry.

5. Providing various services and activities in chemistry and its applications that benefit the community.

Execute objectives:

- **Meeting the needs of the Kingdom through qualified cadres in the field of Chemistry.**

Executive plan:

Main objectives: Providing scientific research skills and research activities.

Executive Objectives	Procedures and activities	Outputs	Responsible	Follow up	Target	Period	Indicators
1) Coordinating with the local and international research institutions **2)** Increase the rate of publication	**1)** 1) Providing workshops for researchers to explain the Coordinating with the local and international research institutions 2) Providing scientific advices to show the importance of increasing the publication rate. .	**1)** 70 % of the trainee know the importance of local and international collaborations for scientific researchers. **2)** 90 % of the attendee were aware of the importance of increasing the publication rate.	Scientific research committee	Follow-up Committee	85%	08/2021 to 06/2022	**KPI – P – 14** **KPI – P – 15** **KPI – P – 16** **KPI – P – 18** **KPI – P – 19**

Head of the program

Dr. Ibrahim Al-Sohaemi

Report of the plan for scientific research in Chemistry Program 1443AH

The Chemistry Program's plan is consistent with the mission and objectives of the College of Science's executive plan and the Jouf University's strategic plan, and it promotes effective scientific research participation through the development of scientific research skills and research activities of College and staff members to development and to solve environmental problems through applied research. Upon those principles, this program was prepared to fulfil several of the program's objectives and evaluate those using particular indicators.

The chemistry program has completed eight of the recommended plane's activities that reflect the program's objectives. The following is a detailed list of the programs that have been finished.

The following formula was used to construct the key performance indicator:

$$\frac{\textbf{The number of achieved initiatives}}{\textbf{The target number of initiatives}} \boldsymbol{X\ 100} \qquad \frac{\mathbf{8}}{\mathbf{10}} \boldsymbol{X\ 100 = 80\%}$$

Strength points

1) The chemistry program has been extensively involved in the progress and development goals to achieve the vision of 2030.

2) The initiatives that were accomplished were focused with role of scientific research in solving the environmental problem.

3) The of the scheduled events have been accomplished.

Weak points:

1) The faculty members are preoccupied with many tasks, including teaching, research and administrative tasks

2) The lowriing the number

Recommendations:

1) Recruiting more Faculty members to help with the workload.

2) Establishing partnerships with government and private agencies in Al-Jouf region.

3) Endeavour to encourage the use of the Chemistry Department to address the social problems.

Action plan progress report for scientific research in Chemistry Program 1443AH

Recommendations	Action plan	Responsible Person	Start Date	Completion Date
1) Reviewing the policies and regulations of the scientific research at Jouf University periodically. **2)** Coordinating with the local and international research institutions as a prelude to cooperate with them for the purposes of scientific research in order to serve the policies and objectives of Jouf University in building local or international partnerships	1) Many policies and regulations needs to modify 2) Concluding local and international research scientific agreements with specialized institutions.	Scientific councils	09/2021	06/2022

Kingdom of Saudi Arabia
Ministry of education
Jouf University
College of Science
Chemistry Department

المملكة العربية السعودية
وزارة التعليم
جامعة الجوف
كلية العلوم
قسم الكيمياء

Report for Action plan progress in scientific research in Chemistry Program 1443AH

Progress on Implementation of Previous Year's Action Plans						
Number of KPI	**Actions Planned**	**Planned Completion Date**	**Person Responsible**	**Completed**	**If Not Complete, Give**	
					Reasons	**Proposed action**
KPI – P – 14 **KPI – P – 15** **KPI – P – 16** **KPI – P – 18** **KPI – P – 19** **(additional)**	**1)** Improving the policies and regulations of the scientific research at Jouf University periodically. **2)** Increasing the research projects and funds that implement new trends and directions by at least two projects each **3)** Coordinating with the local and international research institutions	In the beginning of the academic year	Community service committee	Yes	-----	-----