

**Research and  
Publications at  
Kateb University**

# KATEB

## Research and Publications



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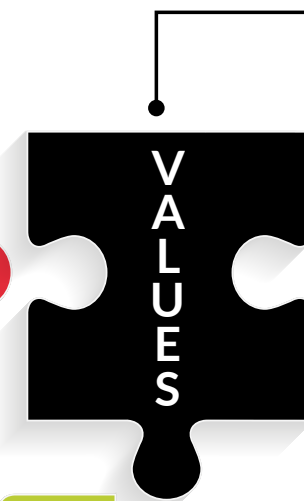
## About Kateb University

Kateb University is one of the pioneering private institutions in the field of higher education in Afghanistan. In 2007, during an official ceremony with the presence of faculty members, representatives of the mass media and members of the parliament, the University was inaugurated. Kateb University held its first University Entrance Test (UET) in 2007, in the presence of Ministry of Higher Education Supervisory Committee; more than 250 students were admitted to enter Kateb University for the first time. Due to students' interest to enter the University, the number of students and teachers has been increasing rapidly. In 2010, approximately 1200 students were studying at the University. In 2016, the number of students reached to 2836, majoring in 15 academic disciplines, Kateb University implements the credit system as a student-centered approach to learning. Each credit contains 16 educational hours in a semester. Kateb University grants admission to students by holding a general University Entrance Test (UET) at the beginning of each spring and fall semester of the educational year.



# VISION, MISSION AND VALUES

Kateb University's **Vision** is becoming a top and prestigious university in the region.



- Professionalism
- Discipline
- Integrity
- Team Work
- Accountability
- Competency
- Transparency



Kateb University as an academic institution is trying to provide high quality education and researches at national and regional levels, in addition to development of

scientific and technical infrastructure, responding to job demands of country and expanding balanced co-education system.

In this context, Kateb moves onward based on maintaining scientific and ethical principles and focusing on use of expert faculty, collaborating with national and international academic institutions, using modern technology methods and creating an appropriate research situation. Also it is important to mention that personal scientific and management capacity promotion is a top priority for us to consider and provide.





## About Research and Publications

In the light of planned and deliberate collective efforts in the vision of Kateb University, this university will be one of the top universities that will have an effective and constructive interaction with other local and foreign universities. In Vision document of Kateb University, points directly to the role of knowledge and research, and it is obvious that without the research and production of knowledge as well as efficient management and proper planning, the vision cannot be realized.

Planning is an important component of efficient and effective management and is a prerequisite for achieving sustainable development, and given that only the use of accurate and reliable data and comprehensive research results can lead to planning, management and, ultimately, development properly achieved, the importance of planning in this part of the site is doubled.

The academic research management of Kateb University, as a small part of the country's scientific research community in line with the country's development prospects and macroeconomic goals of the Ministry of Higher Education of Afghanistan and Kateb University, has its role in providing the necessary and appropriate framework for conducting fundamental and applied research for Production and distribution of humanities and medical concepts.

### Mission

In order to achieve its goals, the management pursues the following missions by designing and organizing a coherent organization and preparing the appropriate mechanism:

- Supporting a variety of qualitative and quantitative research and development projects in various fields.
- Assist in the production and dissemination of scientific knowledge through the publication of books, articles and scientific journals.
- Provide academic resources and information up to date.
- Empowerment in the field of research by providing the necessary courses and workshops
- Creating and facilitating the use of study opportunities and participation in national and international conferences.
- Recruitment and financing of research projects and other research affairs.
- Monitoring and evaluation of all university research affairs, faculty members and researchers

### Vision

- Ranking first among public and private universities in terms of production and management of academic research
- Ranking from 1 to 10 among the universities in the region



# Kateb Research Council

Kateb Research Council works to enhance the research in Kateb University. The members of the council are experts qualified in their respective fields. Research Council develops research standards, advises the research committee to implement the research projects in order to meet the standards. Research Council is also in charge of monitoring of research and publications. The research council members are as below:

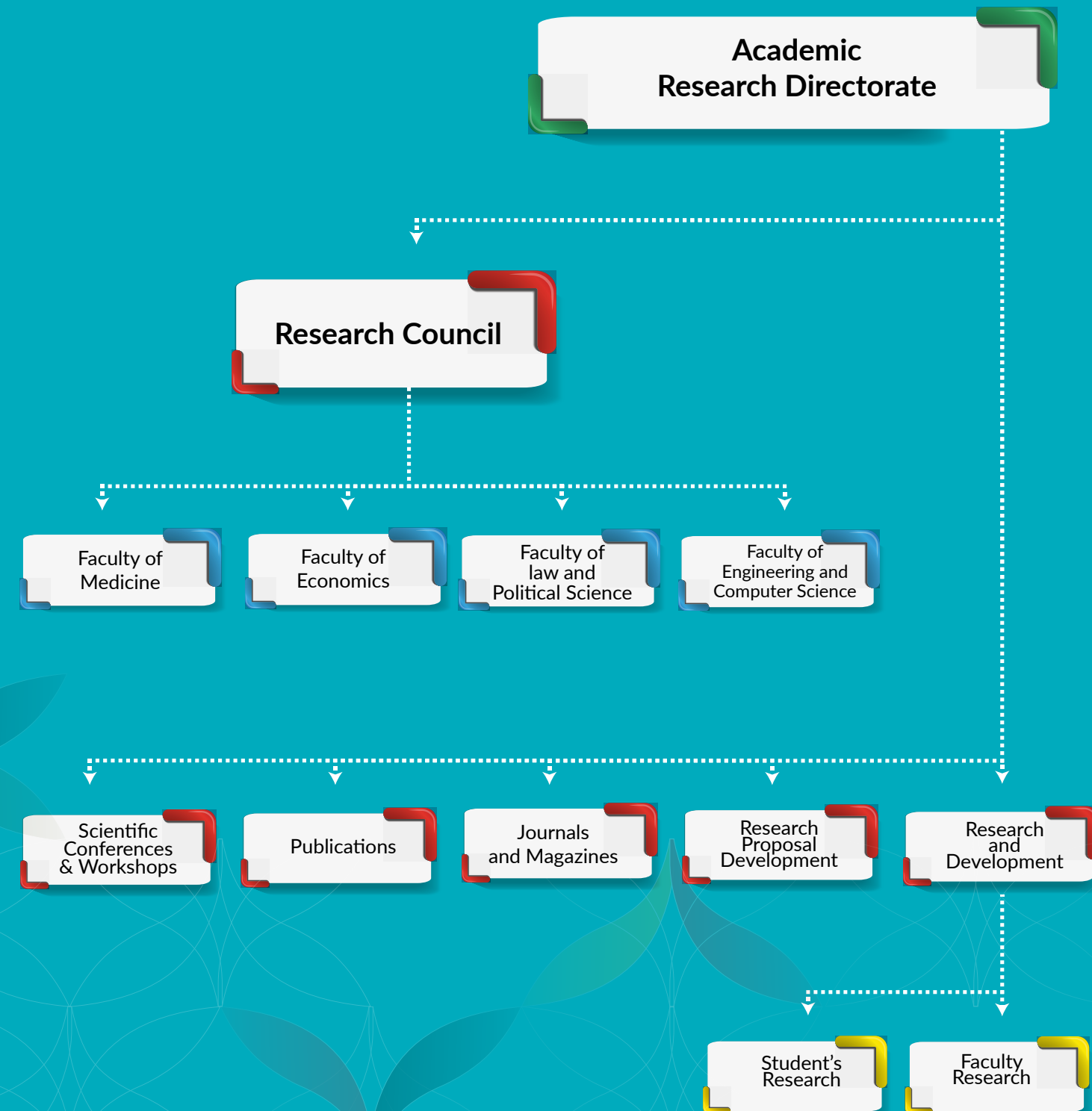
1. A representative from Chancellor Office
2. Academic Affairs Deputy/Department
3. Research Director
4. Representative of each faculty
5. Director of graduate schools

Below are some of the duties of research council:

- Helps the Research Management at Kateb University evaluate achievements against goals and objectives set for the department.
- Finding possible solutions for hurdles faced during implementation of research projects.
- Evaluation and providing suggestions regarding problems that the Board of Directors, Chancellor, Deputy of Academics have shared with the Research Management Unit.
- Decision making regarding bringing in new research projects from organizations and centers, to Kateb University.
- Encouraging Scholars and Researchers for doing more research work and translation and also the publishing of more scientific knowledge.
- Planning for capacity building of Kateb University Professors and providing learning and research opportunities for KU Faculty Members.
- Evaluation and solution providing regarding translation and improvement of Text-Books.
- Monitoring and Reporting to the Chancellors office of quality of research and research activities done by the research team.
- Monitoring the Publishing process and progress.



# Research Structure





## Research Working Groups

01

### Manuscripts

Preserving, reviving and transferring scientific heritage of the country is one of the academic missions of Scientific Research Management at Kateb University. Some of the written manuscripts of Afghanistan's intellectuals are about to destroy, and this unit is incumbent to restore these valuable masterpieces.

In order to fulfill the mission, the first step was to collect, proofread, edit and reprint all the works of the late Faiz Mohammad Kateb. Currently, the manuscripts of the late Kateb have been collected from various sources and researchers have started proofreading and editing this precious heritage. These collection of works belonging to the late Faiz Mohammad Kateb will be published, entitled "Siraj ul Tavarik" or "Lights of History" in 2016.

This unit has plans to conduct similar programs after completing the works of the late Kateb.

02

### Seminars and Workshops

One of the major competitive advantages of educational institutions is the intellectual capacity to interact and cooperative learning. Today, while reflecting, institutions are successful that are able to share their own experiences and insights from others (Individuals, groups, patterns, etc.) and make a difference in their own performances based on new insights. Kateb University has set up Working Group on Seminars and Scientific Meetings in order to promote and develop the capacity of community-based on social interaction, learning and knowledge generation, among professors and intellectuals of the country as well as scientists from other countries. In this regard, the results were numerous meetings with Afghan universities and foreign universities at Kateb University.

03

### Women Studies

Women Studies encounter serious challenges in Afghanistan. One of these challenges is the lack of localized measures of the status of women in Afghanistan. Another obstacle is lack of existence of a research team with talented women scholars.

The research team at Kateb University is made up of educated experienced women in the field of women's studies. Furthermore, the survey team comprises experienced women in the areas of field researches. The team can design a variety of research (qualitative and quantitative) and implement them based on scientific standards.

04

### Textbook Development

One of the major advantages of every educational institution is to develop instructional texts and instructional materials tailored to its own system. In this regard, the Textbook Development unit was established at Kateb University to meet the needs of the students of various disciplines. This unit includes the faculty members of the University. So far, numerous textbooks in medicine, law, and economics were prepared and published.

05

### Translation

Translation of scientific books that are in other languages will bring more productivity and cause in the ease of use for students and readers. The Translation Unit has been established to deepen and broaden scientific heritage and academic resources for the scientific community. The group consists of experts with proficiency in foreign languages and adequate education and knowledge in the related scientific field. The Research Management has brought professional translation in compliance with the literature of the local languages providing accurate and standard translation.

06

### Qualitative and Quantitative Research

This working group includes the leading scholars who possess the ability to conduct research in different fields of the humanities in qualitative and quantitative research designs. The group is ready to conduct research projects, requested by different institutions and governmental organizations, in accordance with international standards.

# Research Programs

## Research on SDGs for Afghanistan



Kateb University has launched the program of Research on SDGs for Afghanistan in light of UN Sustainable Development Goals Agenda. Currently KU research department in collaboration with KU research council and faculties research committees are working together to provide research services, teaching, local and national SDGs policy for fulfilling 2030 SDGs goals for Afghanistan. Kateb University raises awareness among the students and community on how SDGs can change their life by expanding SDGs Knowledge. Kateb University is working with civil society, private sector, donors and government to develop frame works for implementation of SDGs in Afghanistan through providing research and developing policies. KU departments strives to participate in implementation of SDGs in Afghanistan by expanding knowledge, providing researches, conducting SDGs workshops, seminars, conferences and developing applicable policies through students, faculty, alumni, staff and community engagement.



## Policy Analysis and Need Assessment

As per Afghanistan's unstable situation, usually applicable policies are not developed, this is usually due to the lack of having a realistic approach towards understanding Afghanistan. Understanding the countries gaps and accepting the flaws, Kateb University provides policy development service for different sectors within Afghan Government, International Organizations and Donors. KU has technical and experienced experts who can serve the organizations to identify the potential challenges and analyze the current problems and gaps.

## Survey and Market Research

Knowing the trend of business in Afghanistan and understanding the global market, requires researches. KU offers survey and market research services for investors, entrepreneurs, international organizations and donation bodies. Our Survey and market research services include Afghanistan labor market, market competitors and analyzing target audiences and customer, analyzing target market and industries. KU research department is formed to serve the clients technically and practically. In Kateb University every faculty has a technical research clinic to provide detected solution in their fields for KU clients.

## Data Modeling and Data Analysis

KU research unit is formed to be high quality research provider. Our data modeling and analysis services are lunched to serve the research companies, Ph.D. Scholars, researchers and master's students to select and run their research models. In each faculty, Kateb has a research committee with qualified and dedicated team who can supervise and run deferments models in their own expertise such as Economics, Law, Political Science, Social Science, Medicine, Computer Science and Engineering. KU also has equipped research laboratory for the fields of physics, chemistry and biology.

KU research team designs questioners and provids data analysis for clients with high standards technical software such as SPSS, STATA, and EVIEWS.



# Research Trainings



SPSS Statistics is a software package used for logical batched and non-batched statistical analysis. Long produced by SPSS Inc., it was acquired by IBM in 2009. The current versions (2015) are officially named IBM SPSS Statistics. Companion products in the same family are used for survey authoring and deployment (IBM SPSS Data Collection, now divested under UNICOM Intelligence), data mining (IBM SPSS Modeler), text analytics, and collaboration and deployment (batch and automated scoring services).

The software name originally stood for Statistical Package for the Social Sciences (SPSS),[2] reflecting the original market, although the software is now popular in other fields as well, including the health sciences and marketing.



Stata is a general-purpose statistical software package created in 1985 by StataCorp. Most of its users work in research, especially in the fields of economics, sociology, political science, biomedicine and epidemiology.

Stata's capabilities include data management, statistical analysis, graphics, simulations, regression, and custom programming. It also has a system to disseminate user-written programs that lets it grow continuously.

The name Stata is a syllabic abbreviation of the words statistics and data. The FAQ for the official forum of Stata insists that the correct English pronunciation of Stata "must remain a mystery"; any of "Stay-ta", "Sta-ta" or "Stah-ta" is considered acceptable.

## EViews

EViews (Econometric Views) is a statistical package for Windows, used mainly for time-series oriented econometric analysis. It is developed by Quantitative Micro Software (QMS), now a part of IHS. Version 1.0 was released in March 1994, and replaced MicroTSP. The TSP software and programming language had been originally developed by Robert Hall in 1965. The current version of EViews is 10, released in June 2017.

## Qualitative Research

Qualitative Research is primarily exploratory research. It is used to gain an understanding of underlying reasons, opinions, and motivations. It provides insights into the problem or helps to develop ideas or hypotheses for potential quantitative research. Qualitative Research is also used to uncover trends in thought and opinions, and dive deeper into the problem. Qualitative data collection methods vary using unstructured or semi-structured techniques. Some common methods include focus groups (group discussions), individual interviews, and participation/observations. The sample size is typically small, and respondents are selected to fulfill a given quota.

## Quantitative Research

Quantitative Research is used to quantify the problem by way of generating numerical data or data that can be transformed into usable statistics. It is used to quantify attitudes, opinions, behaviors, and other defined variables – and generalize results from a larger sample population. Quantitative Research uses measurable data to formulate facts and uncover patterns in research. Quantitative data collection methods are much more structured than Qualitative data collection methods. Quantitative data collection methods include various forms of surveys – online surveys, paper surveys, mobile surveys and kiosk surveys, face-to-face interviews, telephone interviews, longitudinal studies, website interceptors, online polls, and systematic observations.

## Applied Statistics

This graduate level course provides an introduction to the basic concepts of probability, common distributions, statistical methods, and data analysis. It is intended for graduate students who have one undergraduate statistics course and who wish to review the fundamentals before taking additional 500 level statistics courses. This course is cohort-based, which means that there is an established start and end date, and that you will interact with other students throughout the course.

Upon completion of this course students will:

- Appreciate and understand the role of statistics in their own field of study.
- Develop an ability to apply appropriate statistical methods to summarize and analyze data for some of the more routine experimental settings.
- Make sense of data and be able to report the results in appropriate table or statistical terms for inclusion in their thesis or paper.
- Interpret results from various computer packages (Minitab, SPSS, SAS) and be able to use Minitab to perform appropriate statistical techniques.

## Applied Econometrics

The course aims to provide students with important skills which are of both academic and vocational value, being an essential part of the intellectual training of an economist and social scientist and also useful for a career.

By the end of the module students should have competencies in the following: An awareness of the empirical approach to economics and social science; review and extend fundamental statistical concepts; methods of data collection and analysis; regression analysis, its extensions and applications; use of spreadsheets and statistical packages such as SPSS (Or STATA).

The module will typically cover the following topics:

Review of random variables, associated distributions and moments; review of statistical estimation, estimator sampling distributions and population inference; causality and selection bias; experimental versus non-experimental data; simple linear regression (SLR) model, assumptions, interpretation and hypothesis testing; multiple linear regression (MLR) model, assumptions, interpretation and hypothesis testing; modelling non-linear relationships; dummy variables; interaction terms; the failure of MLR assumptions; tests and implications for hypothesis testing; problems of endogeneity; instrumental variables; short panel data methods; Stata.



## Students Research Program

KU research department strives to enhance the student researches by training and supervision. Student Research Programs (SRP) is a platform that helps the students to learn the research methods, develop models, and technical softwares. In SRP KU research department works with students to develop their research questioners, develop their research hypothesis, select their research models and train the student to analyze their data through technical software such as SPSS, EVIEWS, and STATA.

KU research department works closely with faculties' research committees to engage the students in applied research. In Kateb University every student is assigned to work on their final project in their fields. Students work with their assigned mentors to select their thesis topics. Mentors are assigned to guide the students for selection and writing of the thesis. Through this platform research departments facilitate and coordinate with organizations, government and donors to conduct their research through Kateb University.

Students can publish their research papers during their studies at Kateb University via Kateb Students Magazine and Kateb Quarterly.



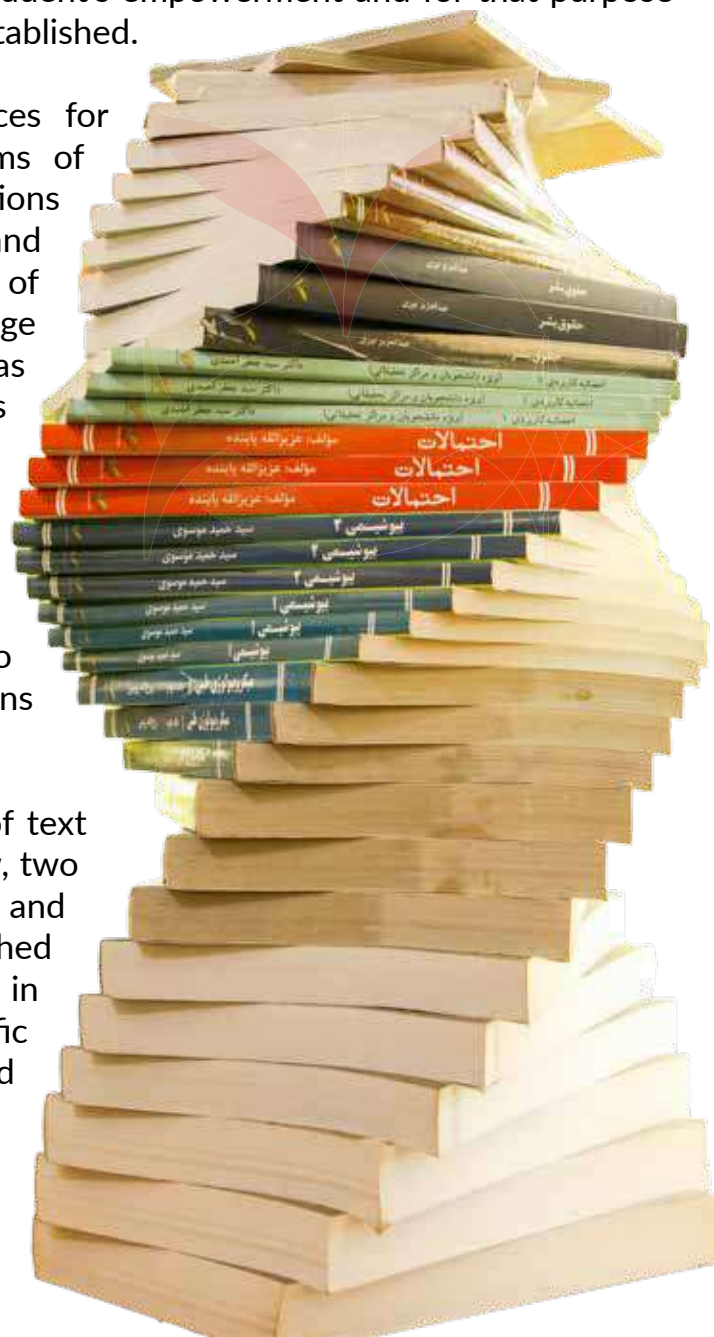


# Publications Unit

One of the main reasons behind the success of the developed countries is their work in the fields of research and scientific observation. Innovation in knowledge has helped them decrease illiteracy and have reasonable and applicable predictions about the future. Distribution of result and research findings can increase the level of knowledge and information of other communities, and also introduce writers and researchers to the society. Today, one of the standards of scientific categorizing is the statistics of researches conducted and scientific works published in that specific country and that is because of the importance of research and distribution of scientific works hold. With due attention to this matter, Kateb University has always remained curious and paid attention to research and distribution of scientific work findings of its professors. Strategic planning is now based on research findings. Kateb University has always strived to work to increase society's knowledge, beside student's empowerment and for that purpose Scientific Researches Management was established.

Lack of teaching materials and resources for students is one of the biggest problems of Universities and Higher Educational Institutions in Afghanistan. Number of universities and higher educational organizations, number of new majors are increasing with the passage of time. Because publishing culture has not improved in Afghanistan, students find it hard having access to standard educational resources and materials. Kateb University's Scientific Researches Management tries to support instructors and writers in publishing of their works to provide standardized teaching material to universities and higher education institutions by establishing the Publication Unit.

The result of these efforts is publishing of text books, magazines and journals. Up to now, two periodicals, one Human Rights Journal, and around (20) textbooks have been published by Kateb University. It is expected that in the near future, more textbooks, scientific journals and periodicals are to be published by the Unit.



# Published Books





No	Name	Author
1	Integrated Environmental Management	Dr. Abbas Basir
2	Medical Microbiology (1)	Rohullah Roien
3	Basic Pathology	Dr. Zabihullah Iqbal
4	Applied Statistics (1)	Dr. Syed Jafar Ahmadi
5	Cell Biology	Dr. Mohammad Arif Ataie (MD)
6	Medical Biochemistry (1)	Dr. Sayed Hamid Mousavi
7	Human Rights and Islam (Translation)	Abdul Aziz Noori, Abdullah Muhammadi, Mohammad Hussain Hasrat, Ali Ahmadi
8	Human Rights (Second Edition)	Abdul Aziz Noori
9	Clinical Pharmacology	Rohullah Roein
10	Organ Systems Pathology (2)	Dr. Zabihullah Iqbal (MD)
11	Organ Systems Pathology (1)	Dr. Zabihullah Iqbal (MD)
12	Medical Microbiology	Rohullah Roein
13	Medical Biochemistry 1	Dr. Sayed Hamid Mousavi
14	Postcolonial Situation and Multiplicity of Afghanistan Constitution Law	Zakia Adeli (Ph.D)
15	Civil Liability (Second Edition)	Abdul Khaliq Qasemi
16	Physiology 1	Dr. Zabihullah Iqbal
17	Physiology 2	Dr. Zabihullah Iqbal
18	Pharmacology 1 and 2	Ruhollah Roein
19	General Histology	Dr. Mohaqeq
20	Specific Histology	Dr. Mohaqeq







## Dr. Ali Reza Mohsini

Chancellor of Kateb University  
Managing Director of Scientific  
and Research quarterly of Kateb University  
Managing Director- Journal of Economics

### Scientific Journals

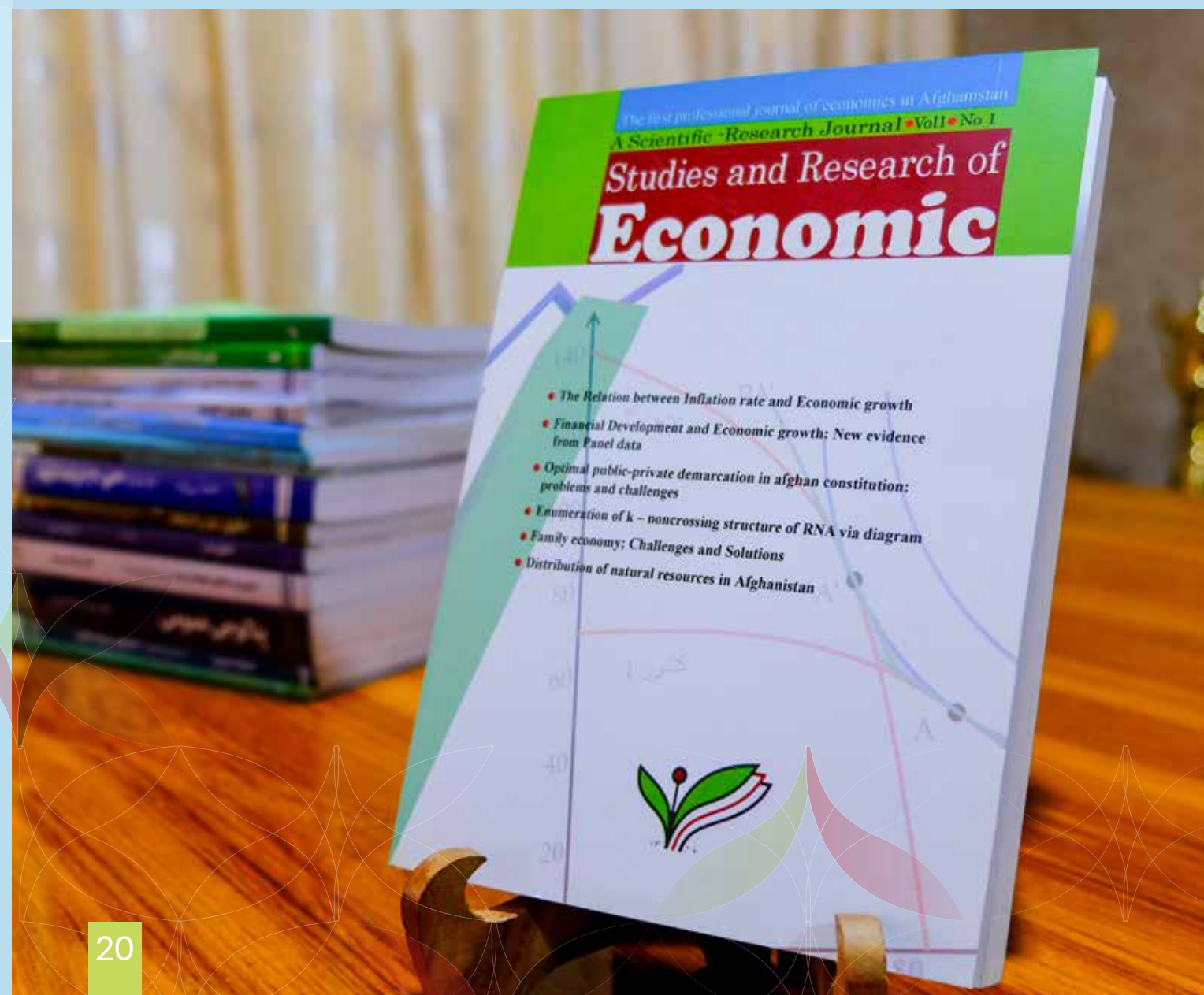
Currently 3 journals are published by Kateb University and they are explained as follows:

#### Journal of Economics

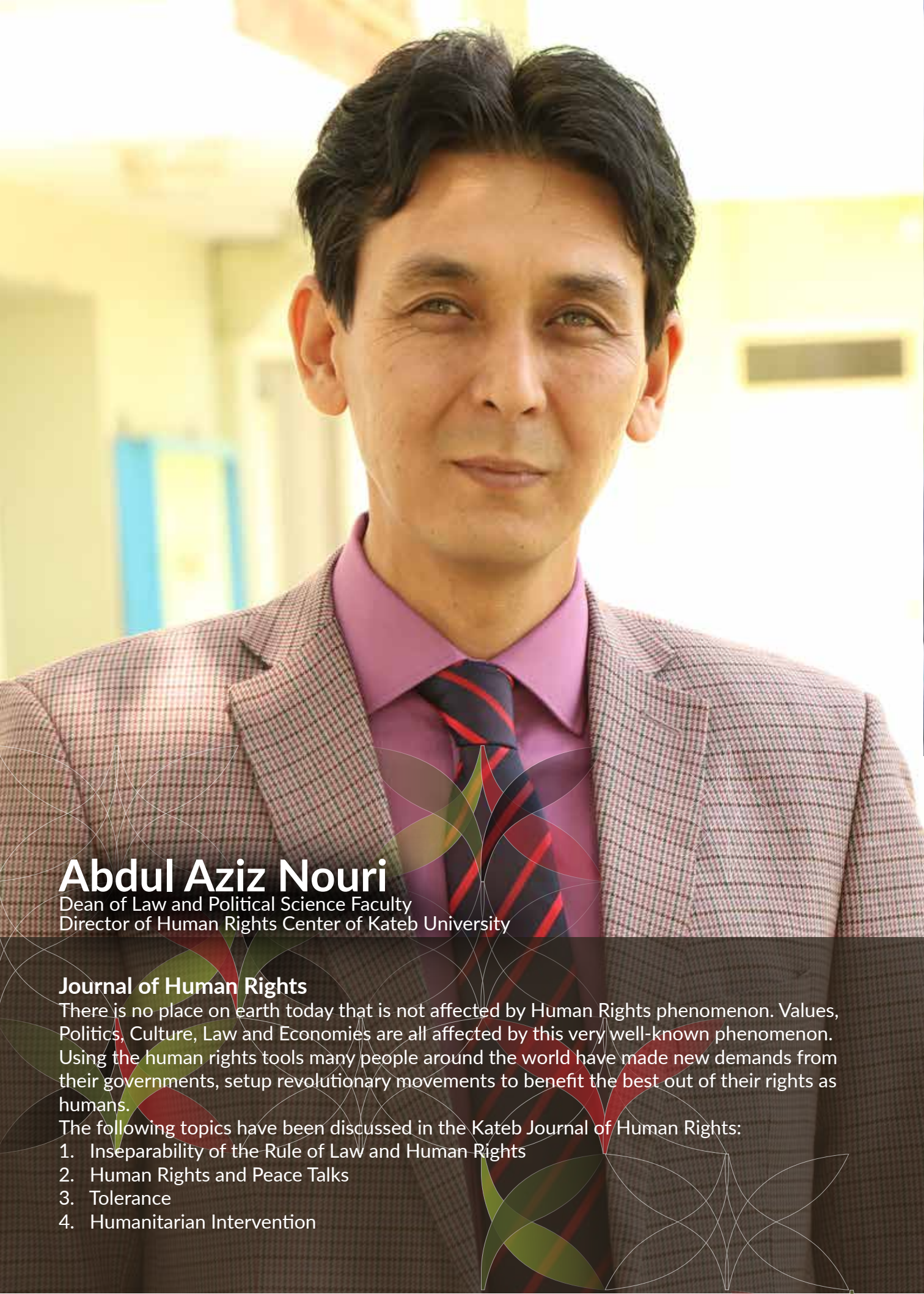
Today's world is full of unfamiliarity and difficulties, mankind's knowledge helps to unfold them and strives to know more and find solutions. A researcher is curious about everything surrounding him and wants to find the correct answer among hundred assumptions, through scientific possible solutions. Researcher strives to work on a specific phenomenon and find the action and reaction of various factors on each other and for getting the truth hidden in reality, invent the specific rules and regulation from interactive factors and know the concept of its study. In this way he strives to build his hypothesis based on logic, reason, and rebuttal, various data to be collected, classified, and analyzed based on hypothesis. And the relation between variables should be evaluated by scientific and experimental experience.

In scientific methods measuring of variables is based on mathematics, statistic, econometrics and other logical measuring ways and quantifying, because cases are quantitative. Observation, analysis, and evaluation in high method, is the biggest scientific invention of human being from my personal perspective and all the progress and achievements are based on it. This way of thinking and solving the problems is not for natural science, and is used in humanities concepts today. Creation of new ideas and getting to scientific and practical mobility, needs strong mechanism of decision making besides invention of new scientific methods, works which came from a purposeful research. In many underdeveloped countries although there is no effective engagement between scientific studies and mechanism of decision making, sometimes decisions prohibits the scientific studies. This weakness exists in our country in all levels of decision making and it caused unscientific, obligatory, and inexpert decisions.

This quarterly is the result of my colleagues' effort that knows the principles of methodology, and understand the gaps of decision making in the country, and strived to solve the problem and also increase the research in decision making system.







## Abdul Aziz Nouri

Dean of Law and Political Science Faculty  
Director of Human Rights Center of Kateb University

### Journal of Human Rights

There is no place on earth today that is not affected by Human Rights phenomenon. Values, Politics, Culture, Law and Economies are all affected by this very well-known phenomenon. Using the human rights tools many people around the world have made new demands from their governments, setup revolutionary movements to benefit the best out of their rights as humans.

The following topics have been discussed in the Kateb Journal of Human Rights:

1. Inseparability of the Rule of Law and Human Rights
2. Human Rights and Peace Talks
3. Tolerance
4. Humanitarian Intervention



## Dr. Mahdi Mohaqiq

Director of Research and Publication Department  
Executive Director and Editor of Scientific and academic  
Research Quarterly of Kateb University.

### Kateb Scientific and Research Quarterly

Universities and Academic Institutions carry two main responsibilities; one of them is of course education and training, another one is Scientific and applied research. Not paying enough attention to the second requirement and neglecting its importance shows an institution's carelessness regarding the matter and thus education and learning is affected in a way that does not chase realities and does not maintain the needs of the society. Scientific Research is in fact the production of thought and knowledge and educational institutions are responsible for its fulfillment but due to an overdue of expenses and lack of a transparent and coherent administration for the field in Afghanistan, the importance of this topic is underestimated. No attention towards scientific and applied research in the country, despite the human resources available shows the lack in inspiration and gap in the structure of higher education institutions. The result of unawareness regarding the sensitivity of this topic is more educational dependency and underdevelopment.

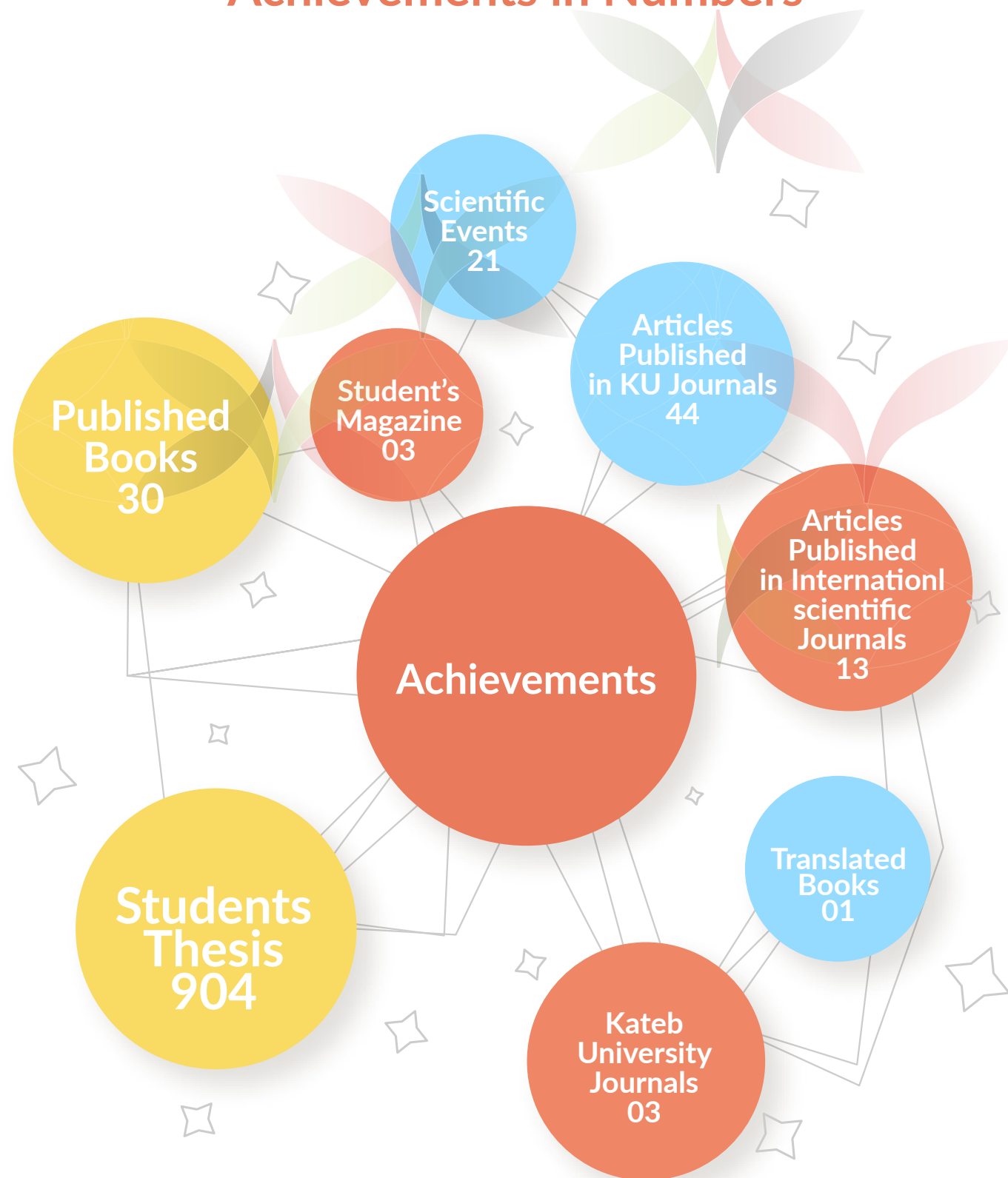
Kateb University Journals are published once in every while and this publication is one of the achievements of Kateb University besides the publication of books and conduction of scientific conferences.

These scientific achievements are results of structural and regulatory changes and reformation in the field of research. By establishment of a research council and determination of the motivated managing director, Mr. Abdul Aziz Noori, we will be expecting regular publications of such journals, more text-books and conduction of more scientific conferences.

Achievement of this hard but essential goal, without a chance of doubt, needs cooperation, scientific critique and suggestions of scholars and professors



# Kateb Research and Publication Achievements in Numbers



## Scientific Conferences

There are many conferences held by Kateb Scientific and Research Management Units during the past years.

Some of the conferences either organized or participated in, by Research Unit at Kateb University are as follows:

1. Iran and Afghanistan's Crime Policy of Organized Crime
2. Third Commemorations Ceremony of Hemophilia Day
3. Research Techniques Training Workshops
4. Third Peace Dialogue
5. Training Sessions of War Victim's Counselors
6. Mental health of Students
7. Afghanistan and Global Goals for Sustainable Development
8. Electronic Learning from Reliable Universities around the World.





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