



T.C.
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Yaşam ve Doğa Bilimleri Fakültesi

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Dekan

Ek:2021 İç Değerlendirme Raporu(İngilizce) (50 sayfa)

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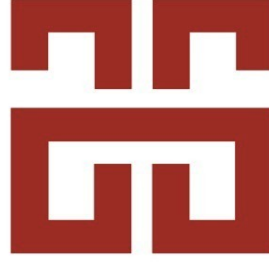
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ABDULLAH GÜL ÜNİVERSİTESİ

FACULTY OF LIFE & NATURAL SCIENCES (L&NS)

INTERNNAL EVALUATION REPORT

2021

Sümer Campus, 38080
KOCASINAN /KAYSERİ
05.01.2022

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GENERAL INFORMATION

1. Contact Info:

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Faculty Quality Assurance Committee:

Member	Section	Email
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Ayşe HIZAR		ayse.hizar@agu.edu.tr

2. Faculty History:

With the approval of the Council of Higher Education dated 08/10/2014 and numbered 75850160-101.03.01/59351, the Faculty of Engineering and Natural Sciences of Abdullah Gul University was closed and it was decided to establish the Faculty of Life and Natural Sciences at the meeting of the Higher Education Executive Board dated 11/01/2014. . At the same meeting, it was consented to open the Department of Bioinformatics, Department of Bioengineering, Department of Molecular Biology and Genetics, and Department of Neuroscience at the Faculty of Life and Natural Sciences.

Student Numbers			
Department	Male	Female	Total
Molecular Biology & Genetics	72	181	253
Bioengineering	70	129	199

Student Numbers (at Prep School)			
Department	Male	Female	Total
Molecular Biology & Genetics	35	50	85
Bioengineering	28	60	88

Student Numbers (Foreigner)			
Department	Male	Female	Total
Molecular Biology & Genetics			
Bioengineering			

2.1. Human Resources

Number of academic staff in our Faculty by titles as follow:

Title	Number
Professor	1

Associate Professor	2
Assistant Professor	9
Instructor	3
Research Assistant	12
TOTAL	27

Academic staff assigned to our Faculty from other universities University

Title	Assigned Department	Home University	Number
Professor	Molecular Biology & Genetics	Pamukkale University	1
Research Assistant	Bioengineering	AGU Graduate School of Engineering & Sciences	2

The number of academic staff by age

Ages	21-25	26-30	31-35	36-40	41-50	>51
Staff Number	1	11	5	4	5	1

Non-academic staff

Description	2019
Executive Secretary	1
Computer operator	3
TOPLAM	4

2.2 Physical Structure

Offices	Classes (Capacity)*	Laboratories*
B226 Accounting Office	BA106 (18)	LAB 2
B227 Dean and Secretary	LB214 (24)	LAB 4
B228 Executive Secretary		LAB 5

B221 Department Head Office (3 Staff)	LAB 6
İ.Alper İŞOĞLU, Emel Başak GENCER AKÇOK, Sebiha ÇEVİK KAPLAN	AB015
B216 Department Head Office (Sevil DİNÇER İŞOĞLU)	LAB 7
B222 İ.Oktay KAPLAN	LAB 8
B223 M.Duygu SAÇAR, Sibel SARI	LAB 9
B224 İsmail AKÇOK, Aysun ADAN	
B225 Hüseyin GÜNER	
B-218-B 219-B 220 Özkan FİDAN, Şerife AYZAZ GÜNER	
B202 Altan ERCAN	
B205 Fatih ORTAKCI	
F0A11 Mesude BİÇER (Modern Fabrika Binası)	
Oranjeri (Asistan Ofisi)	

*Common classes and laboratorieas are also

There are no canteens and cafeteria allocated particularly to our Faculty but general canteens and cafeteria are iavailable for common use.

3. Mission, Vision, Values and Objectives

3.1. Vision:

To be a prestigious international university that has internalised innovation and creativity, produces information and contributes to science and society at an advanced level by transforming knowledge into value

3.2. Misyon

L&NS, as a part of research university seeking solutions to global challenges through partnerships and learner-centered approaches, aims to develop citizens who can contribute to societies and shape the future by converting knowledge into personal and social values

3.3. Researches

L&Ns aims to make a high contribution to universal science and different segments of society with the outputs obtained by maintaining the balance between basic and applied research activities.

Topics of global sustainability and development are chosen as the research areas that will make a high contribution to the society by considering the differences in the near and far environment.

Developing and implementing an interdisciplinary research culture.

3.4. Eğitim

To develop and implement learner-centered education and research processes and to be an exemplary institution in this field.

To raise individuals who are well-equipped with knowledge, able to establish the link between theory and practice, think multi-dimensionally, develop their knowledge, and shape the future.

To adopt an understanding that has internalised the importance of ethical values and social responsibility in education.

3. 4. Contribution to Society

To organise all the processes and activities in a way that will ultimately contribute positively to the society.

To ensure that the Faculty is in close and joint working processes with the society, business and industrial world, public institutions and non-governmental organisations at national and international levels.

Yönetim Düzeni

To ensure the effective participation of both internal and external stakeholders in the management processes.

To create management processes that will facilitate the development of innovative projects by faculty

members and researchers.

To improve internationalisation processes.

A. LEADERSHIP, ADMINISTRATION and QUALITY

A.1. Leadership and Quality

A.1.1. Administrative Model and Structure

L&NS has a management structure consisting of the Dean, a Vice Dean and Faculty Board, Faculty Administrative Board, Department Heads and Faculty Executive Secretary following the scope of Academic Organization Regulation in Universities. This model adopts an innovative, contemporary, transparent, accountable, and socially sensitive approach.

Duties, authorities and responsibilities of the staff are defined based on the Higher Education Law Item 2547. The staff's duties, authorities, and responsibilities are systematically determined for effective internal control. Job descriptions have been published on the L&NS website, and all actions are open to the stakeholders (1).

The commissions formed under the Faculty Administrative Board support the administration. With this organisation, the Faculty is able to fulfil its mission, goals and objectives (2).

Within the scope of the Internal Control and Risk Management System, the administrative and academic structure of the Faculty has been established. It is structured as Personnel Affairs, Financial Affairs, Registrar's Office, Student Affairs. The Faculty Executive Secretary is responsible to the Dean for the work of the administrative organisation (3, 4).

Sensitive tasks and risk are defined within the scope of risk management (5).

With the Abdullah Gül University Electronic Document Management System, Signature Authorities and Implementation Principles Directive, the areas of authority and responsibilities of those in the administrative management level have been determined (6).

Workflow charts reflecting the essential administrative and support processes were created (7).

All units and staff of the L&NS fulfil their duties and responsibilities within the framework of legal regulations in line with the mission, vision and strategic goals of the University, within the scope of the job descriptions specified in the internal control system (8).

Level of maturity: 4

The practices regarding the administration and organisational structure of the L&NS are monitored and improved.

Evidence :

http://flns.agu.edu.tr/gorev_tanimlari (1)

<http://flns.agu.edu.tr/komisyona>(2)

http://www.agu.edu.tr/userfiles//1yasam/idari_te%C5%9Fkilat_%C5%9Femas%C4%B1.pdf (3)

http://www.agu.edu.tr/userfiles//1yasam/akademik_te%C5%9Fkilat_%C5%9Femas%C4%B1.pdf (4)

<http://flns.agu.edu.tr/hassasgorevler>(5)

<http://www.agu.edu.tr/userfiles//Yaz%C4%B1%20%C4%B0%C5%9Fleri/ebysyonergesi.pdf> (6)

<http://flns.agu.edu.tr/isakisi> (7)

<http://flns.agu.edu.tr/yonetmelikler> (8)

<http://flns.agu.edu.tr/yonergeler> (8)

A.1.2. Leadership

The task is carried out according to the Quality Assurance and Administration Policies determined by the AGU.

Academic Board Meeting is held in the first week of every month with the participation of our internal stakeholders, our academic staff.

Level of maturity: 4

Leadership practices and their contribution to the culture and development of the quality assurance system are monitored, and related improvements are made.

Evidence :

<http://kalite.agu.edu.tr/kal-guven-sis>

http://www.agu.edu.tr/userfiles/bilgisayar/Computer%20Engineering%20Department/KAL%C4%B0TE/2020.12.01_kalite%20g%C3%BCvence%20politikas%C4%B1.pdf

http://www.agu.edu.tr/userfiles/bilgisayar/Computer%20Engineering%20Department/KAL%C4%B0TE/2020.12.01_y%C3%B6netim%20politikas%C4%B1.pdfYönetim

<http://flns.agu.edu.tr/fakulte-akademik-Kurul-kararlari>

<http://flns.agu.edu.tr/anket-hk>

A.1.3. Institutional Transformation Capacity

Level of maturity: 2

The need for change has been identified in the institution.

In the meetings held with the institution's senior management, the needs for development and change were discussed.

Evidence :

<https://zoom.us/j/97762834220?pwd=WTMxdUlwazE1WkxFMlczc1ZXUzJ3UT09>

A.1.4. Internal Quality Assurance Mechanisms

Within AGU, Quality Assurance System and Education, Research, Community Contribution SWOT analysis have been prepared and published on the website (kalite.agu.edu.tr). Within the scope of the operation of the cycles, the performance indicators specified in the strategic plan of AGU are monitored in the Faculty of Life and Natural Sciences for 2-month periods. They are also monitored annually following the end of each year. In addition, quality commissions were established in both Faculty and departments to internalise quality processes by all academic and non-academic staff. Also, some faculty members were appointed to the University's quality subcommittees. The administrative board disseminated information to the Faculty.

In order to ensure the participation of the quality commission members within our Faculty and departments in the SWOT analysis that must be followed while the activities are carried out, meetings that will spread the culture are organised by the higher commissions, and they provide feedback to the units for the development of the maturation level. The academic and administrative staff of L&NA are actively involved in establishing and developing a quality assurance system.

Level of maturity: 4

Internal quality assurance system mechanisms are monitored and improved together with relevant stakeholders.

Evidence:

<http://flns.agu.edu.tr/isakisi>

http://flns.agu.edu.tr/gorev_tanimlari

<http://flns.agu.edu.tr/komisyon>

<http://flns.agu.edu.tr/program-butce-hk>

A.1.5. Public Disclosure And Accountability

A.1.5.1. Public Disclosure

L&NS and affiliated departments present the information about all the activities carried out on the web pages to the public's attention in an up-to-date, accurate and transparent manner. In addition, information about activities and developments are announced on the main web pages of the AGU. These pages can be accessed quickly (1).

L&NS prepares a "Faculty Report" covering all the activities of the Faculty and affiliated departments (such as financial, education-training, administrative etc.) every year. This report, which is prepared in great detail, includes the projects, publications, financial expenses, committee memberships of the faculties; numerical data of students; numerical data of academic and administrative personnel as well as community service activities. The annual report prepared at the end of the year is presented transparently to the public online. A transparent policy is followed regarding the up-to-dateness accuracy and reliability of the information given to the public with the internal control assurance statement (2).

Non-confidential Faculty Executive Board Decisions, Faculty Board Decisions, and Faculty Academic Board Decisions are shared on our Faculty website (3).

Detailed information and data about the undergraduate programs of L&NS are shared with the public, especially with university candidate students and their families, within the scope of promotional activities. In this context, students are hosted at the University, our laboratories are introduced, high schools are visited, and information is shared.

A.1.5.2. Accountability

L&NS administration carries out its activities accountable to its internal inspector, YÖK and Court of Accounts. The Faculty Budget is used transparently with a practical, economic and efficient expenditure policy in line with the needs determined by the academic faculty board under the responsibility of the expense officer(4)

Faculty employees are aware of the relevant processes by personally participating in the procurement processes by being the members o the various commissions such as tender, inspection, acceptance and

control commissions

The strategic plan covering the years 2018-2022, which includes the goals, objectives and methods of achieving them, and a future-oriented perspective, guide the prioritisation of resource allocation and accountability. In this direction, it has been determined whether the targets envisaged to be achieved have been realised, and the criteria to be accounted for are evaluated (5).

Level of maturity: 4

The institution's public disclosure and accountability mechanisms are monitored and improved according to stakeholder views.

Evidence:

<http://flns.agu.edu.tr/> (1)

<http://flns.agu.edu.tr/faaliyet-raporu> (2)

<http://flns.agu.edu.tr/fakulte-yonetim-kurulu> (3)

<http://flns.agu.edu.tr/fakulte-kurulu> (3)

<http://flns.agu.edu.tr/fakulte-akademik-Kurul-kararlari> (4)

http://www.agu.edu.tr/userfiles//95_sayfa.pdf (5)

<http://flns.agu.edu.tr/program-butce-hk>

A.2. Mission and Strategic Objectives

A.2.1. Mission, Vision ve Policies

Level of maturity: 4

Practices carried out in line with the mission, vision and policies are monitored, and measures are taken by evaluating them with the stakeholders.

Evidence:

<http://flns.agu.edu.tr/vizyon-misyon>

A.2.2. Strategic Goals and Objectives

Level of maturity: 4

L&NS monitors the strategic plan implemented and evaluates it with the relevant stakeholders to reflect on strategies.

Evidence:

http://www.agu.edu.tr/userfiles//95_sayfa.pdf

<http://flns.agu.edu.tr/program-butce-hk>

A.2.3. Performance Management

Level of maturity: 4

According to the results, the functionality of performance indicators and performance management mechanisms are monitored and improvements are made.

Evidence:

<http://flns.agu.edu.tr/program-butce-hk>

http://www.agu.edu.tr/userfiles//1yasam/faaliyet_raporu_2020.pdf

A.3. Administrative System

A.3.1. Information Management Systems

The Information Technologies Department carries out information Management Systems at AGU under the President, the Vice President and the relevant commission. IT department buy additional expert services from commercial companies when necessary.

Systems are protected with highly secure measures. Only authorised personnel (academic/administrative) can access and make data entries or queries according to their authority. The confidentiality and security of data are ensured.

Additional transactional requests are performed only on approval of the Dean by giving authorisation within the content of the transaction to be made. Transactions are recorded in the system by keeping secure 'log' files.

For education and training activities at AGU, a system called UIS (University Information System), which contains the students' demographic information, the courses and grades they have taken, their success status, applications, petitions etc., is used. Faculty members give their lecture notes through this system, and academic advisors can follow up on information about their students through this system.

Two teaching management systems are used, namely Schoology in the Language School and Canvas in undergraduate and graduate programs, to execute education and training activities. With these systems, our instructors share all the materials related to the course with the students and enable the students to see the status of the course and communicate with the relevant lecturer.

Academic Data Management System named AVESIS is used for R&D activities. In AVESIS, data (publications, citations, projects, patents, awards, etc.) related to the scientific studies of all academic staff at AGU are collected, and statistics and reports related to all these studies can be obtained. Faculty members frequently enter data into this system, and all of these data are updated at least once a year through annual evaluation and academic incentive practices.

The project management system called BAPSIS manages all operations related to research projects supported through BAP at AGU. In this system, all information and processes related to the project can be seen and followed.

In addition to the systems mentioned above, faculty members have to enter their personal and research information into YOKSIS, which is made simple by transferring directly to YOKSIS with a module created in BAPSIS. Data of faculty members and their scientific studies can be followed more effectively through this system.

Some of our announcements are uploaded on the University's web page, and a system called AGU WEB CMS is used for this purpose. Some of the reports are also advertised on the Faculty web page.

SGB.NET: It is a system that provides the necessary platform to carry out all the financial affairs of AGU to the digital environment and fulfil the duties stipulated by law no. 5018 and the secondary legislation to establish the internal control system.

KBS: Public Accounts Information System provides an electronic communication environment between the spending office and accounting office, integrating financial transactions' expenditure and accounting procedures in a single automation system.

E-Budget: It is an e-government project in which budget and allowance transactions are carried out, aiming to support the financial management processes of public institutions, to ensure application unity and consolidation, and to share information and applications.

Appliance Record Control Management System: It is a system used to carry out the institution's transfer and counting of all appliances.

Level of maturity: 4

The integrated information management system is monitored and improved in the institution.

Evidence:

<https://uis.agu.edu.tr/buis/Login.aspx> <https://agu.schoology.com/login?&school=49890877>
<https://canvas.agu.edu.tr/login/canvas>
<https://avesis.agu.edu.tr/>
<https://apsis.agu.edu.tr/Default2.aspx>
<http://flns.agu.edu.tr/>
<https://ebys.agu.edu.tr/enVision/Login.aspx>
<https://mys.hmb.gov.tr/login>
<https://muhasebat.hmb.gov.tr/kbs-uygulamalar>
<https://www.kbs.gov.tr/TMYS/gen/login.htm>
<http://ekders.agu.edu.tr/>
<http://pbs.agu.edu.tr/login/auth>

A.3.2. Human Resources Management

Human resources at L&NS consist of students, academic and administrative staff. In line with the mission and Vision of the AGU, our Faculty tries to recruit qualified human resources to ensure the sustainability of these resources.

L&NS carries out its human resources management according to laws, regulations, and directives by planning it in a way that will contribute to the mission and Vision in the strategic plan.

In-service training is organised to train the non-academic staff to do their jobs better, ensure their development for the tasks to be undertaken, and increase their performance (1).

Personnel assignments are managed according to the workload of the staff, and the responsibilities of task authority are determined by considering the skill of the personnel and their performance. Non-academic staff are experienced and have adequate training (2).

For the development of academic human resources and postgraduate education, academicians are supported to participate in congresses, symposiums, and seminars in their fields and to organise

similar events hosted by the L&NS (3).

Training is given for the purchased devices for the academic staff to use the special devices effectively and prevent damage. The company's payments are not paid before the training of the purchased device is completed (4).

Unit organisation charts were created within the scope of the internal control system of L&NS, and all administrative tasks were defined in the management structure (5).

Appointment and promotion of academics are carried out within the framework of objective criteria approved by the University Senate. (6)

Academic and non-academic staff who are successful in their studies are rewarded with a certificate of appreciation and/or a plate (7).

At L&NS, practices are carried out following defined workflow processes according to human resources management (8).

Level of maturity: 4

Human resources management practices are monitored and improved by evaluating the relevant internal stakeholders.

Evidence:

http://www.agu.edu.tr/userfiles//yasam_doga_depo/İdari_Personel_Hizmet_İçi_Eğ.pdf (1)

<https://personel->

[tr.agu.edu.tr/uploads/Evraklar/E%C4%9E%C4%B0T%C4%B0M%20PLANLAMA%20G%C3%9CNCELL.pdf](http://www.agu.edu.tr/uploads/Evraklar/E%C4%9E%C4%B0T%C4%B0M%20PLANLAMA%20G%C3%9CNCELL.pdf) (1)

http://www.agu.edu.tr/userfiles//yasam_doga_depo/idari_personel_yetkinlikleri.docx (2)

http://www.agu.edu.tr/userfiles//yasam_doga_depo/Kurumdisi_Gorevlendirme.pdf (3)

<http://flns.agu.edu.tr/events/47/BENG%20B%C3%B6l%C3%BCm%20Semineri%20Dr.%20C3%96zkan%20Fidan> (3)

http://www.agu.edu.tr/userfiles//yasam_doga_depo/Satinalinan_cihazlara_dair_Eğit.pdf (4)

<http://flns.agu.edu.tr/idari-teskilat-semasi> (5)

<http://www.agu.edu.tr/userfiles//Yaz%C4%B1%20C4%B0%C5%9Fleri/2021senato31.pdf> (6)

<http://flns.agu.edu.tr/duyurular/5877/Fak%C3%BCItemiz%20Dekan%20yard%C4%B1mc%C4%B1s%C4%B1%20Dr.%20C3%96%C4%9Fr.%20C3%9Cyesi%20C4%B0smail%20Alper%20C4%B0%C5%9EO%C4%9ELU'na%20plaket%20takdimi> (7)

<http://flns.agu.edu.tr/isakisi> (8)

A.3.3. Financial Management

While using financial resources, the Faculty of Life and Natural Sciences complies with Law No. 5018 on Public Financial Management and Control and the laws governing the financial legislation such as the Law on Public Procurement No. 4734, and accountability and financial transparency are always kept at the forefront.

According to Article 11 of the Public Financial Management and Control Law No. 5018; "Top managers are responsible for the preparation and implementation of the strategic plans and budgets of their administrations following the development plan, annual programs, the strategic plan and performance targets of the AGU and service requirements, ensuring the effective, economical and efficient acquisition and use of the resources under their responsibility, and the prevention of loss and misuse. To the Minister for supervising and monitoring the functioning of the financial management and control system and fulfilling the duties and responsibilities specified in the laws and presidential decrees; In local administrations, they are responsible to their assemblies." According to Article 8 of Law No. 5018, "Those who are in charge and authorised in the acquisition and use of all kinds of public resources are responsible for obtaining, using, accounting, reporting and taking necessary measures to prevent the misuse of resources in an effective, economical, efficient and legal manner, and must be accountable to the authorities." is stated. The Dean, who is the faculty spending authority, fulfils the requirements of this responsibility.

The needs determined by paying attention to the quality and suitability of goods and services are first discussed in the Faculty Academic Board. After the Board evaluates the requested needs and determines the necessity and appropriateness of the condition, the needs of the departments are combined when necessary, and the resources are used effectively and efficiently by making bulk purchases (1).

The appropriations transferred to the budget of L&NS with the decision of the University Executive Board are mainly made for economical and efficient expenditures by putting out to tender (2).

Level of maturity: 4

The management processes of financial resources are monitored and improved in L&NS.

Evidence:

<http://flns.agu.edu.tr/isakisi>

<http://flns.agu.edu.tr/faaliyet-raporu>

<http://flns.agu.edu.tr/fakulte-akademik-Kurul-kararlari> (1)

<https://www.ilan.gov.tr/ilan/817430/ihale-duyurulari/mal-alim-ihaleleri/laboratuvar-cihaz-satin-alinacaktir> (2)

Budget Implementation Results for 2021

DESCRIPTION #	STARTING ALLOWANCE	TOTAL APPOINTMENT	EXPENSES	AVAILABLE
62.239.756.				
5853.502.18.02.01.01	1.042.314,00	1.042.314,00	3.057.627,15	-2.015.313,15
5853.502.18.02.01.02	173.717,00	173.717,00	0,00	173.717,00
5853.502.18.02.01.04	7.656,00	7.656,00	795,77	6.860,23
5853.502.18.02.02.01	136.727,00	136.727,00	375.543,13	-238.816,13
5853.502.18.02.02.02	37.703,00	37.703,00	0,00	37.703,00
5853.502.18.02.02.04	2.254,00	2.254,00	683,30	1.570,70
5853.502.18.02.03.02	67.015,00	80.415,00	79.780,10	634,90
5853.502.18.02.03.03	19.000,00	4.100,00	590,00	3.510,00
5853.502.18.02.03.05	2.000,00	6.000,00	4.324,46	1.675,54
5853.502.18.02.03.07	15.400,00	16.900,00	16.785,50	114,50
11301.502.18.02.06.01	600.000,00	605.000,00	604.471,68	528,32

Basic Financial Statements - Explanations on Expenditures 2021

DESCRIPTION #	STARTING ALLOWANCE	TOTAL APPOINTMENT	EXPENSES	PERCENT EXPENSES
39.03.04.68-09.				
4.1.00-2-01.1	1.042.314,00	3.057.627,15	-2.015.313,15	-293,35
4.1.00-2-01.2	173.717,00	0,00	173.717,00	0,00
4.1.00-2-01.4	7.656,00	795,77	6.860,23	10,39
4.1.00-2-02.1	136.727,00	375.543,13	-238.816,13	274,67
4.1.00-2-02.2	37.703,00	0,00	37.703,00	0,00
4.1.00-2-02.4	2.254,00	683,30	1.570,70	30,31
4.1.00-2-03.2	80.415,00	79.780,10	634,90	99,21
4.1.00-2-03.3	4.100,00	590,00	3.510,00	14,39

4.1.00-2-03.5	6.000,00	4.324,46	1.675,54	72,07
4.1.00-2-03.7	16.900,00	16.785,50	114,50	99,32
4.1.00-2-06.1	605.000,00	604.471,68	528,32	99,91

Purchasing Detail 2021

Name of Goods and Services	Quantity	Supplier	Cost/Piece	Total Cost
Laptop computer	5	NANOTEK	45.418,20	45418.20
Incubators and shakers	1	NANOTEK	7056.4	176233.00
Heart Rate Sensor	2		165082	
Heart Rate Sensor	5		1764.1	
Nerve and Muscle Movement Measurement Module-Sensor-	5		2330.5	
Lab consumables	17	ALFAGEN	4.176,76	4176.76
Toner	8	EKİP	1328.02	1800.02
Ram	1		472.00	
Multimeter Digital	4	YILDIRIM ELEKTRONİK	1.836,08	1836.08
Falsh Chromatography	1	DORA	324.500,00	324500.00
Power Supply	4	NETES	12224.8	29051.60
Oscillator	4		16826.8	
Lab consumables	10	RASEL	8.301,71	8301.71
Lab consumables	26	YILDIRIM ELEKTRONİK	2.876,99	2876.99
Lab consumables	4	RASEL	1.200,00	1200.00
Lab consumables	220	ALFAGEN	259,60	259.60
Ceremonial Dresses, Student Robes etc	30	BEYKUPSAN	12.960,00	12960.00
Tıbbi Atık Bertarafı	967 kg	TURANLAR	4324.46	4324.46
Lab consumables	22	NANOTEK	9354.72	9354.72
Lab consumables	27	NANOTEK	19440.50	19440.50

Lab consumables	8	EX-IM	18501.20	18501.20
Lab Appliance	2	ALFAGEN	8600.01	8600.01
Lab Appliance	1	NETES	18832.80	18832.80
Repairs		NANOTEK	15045.00	15045.00
Repairs		BAŞARI	1740.50	1740.50
Fire Extinguishers		EMRE YILDIZ	908.60	908.60

A.3.4. Process Management

Level of maturity: 3

Defined processes are managed throughout the institution.

Evidence:

http://www.agu.edu.tr/userfiles//yasam_doga_depo/2021_2022_Bahar_Donemi_Acilacak_.pdf

A.4. Stakeholder Participation

Quality officers at L&NS provide feedback on implementation processes.

Planning, implementation and evaluation of educational processes are carried out under the coordination of the relevant Vice President, under the responsibility of the Education Commission, Student Affairs Department, AGU Learning and Teaching Center and related commissions. For this reason, no monitoring and measurement were applied to collect student opinions within the Faculty. Feedback on education and training is relayed to faculty and administrators as survey results.

A.4.1. Internal and External Stakeholder Participation

A.4.1.1. Internal Stakeholder

Improvements are being made with the surveys as mentioned above and feedbacks. In addition, in case of feedback, suggestions or complaints as a result of the meeting of the department students with the department heads and advisors, special care is given these issues. Educational practices and experiences are evaluated at the mid-term and end-of-term, university-wide course evaluations throughout the year. In addition, the current course syllabuses presenting the program outputs,

content, weekly course schedule, evaluation criteria, objectives and qualifications of the courses offered each semester are uploaded and shared with the students before the semester starts.

A.4.1.1. External Stakeholder

The prioritisation among external stakeholders has been made so that public institutions (Presidential, Higher Education Board (YÖK), Court of Accounts) constitute the legal legislation containing all fields of activity of the institution. In addition to these institutions, all other institutions, organisations, and legal entities that L&NS carries out joint activities (joint research-development, education, social service) are among the priority stakeholders.

As the Faculty, although the meetings are at the university level on matters related to the external stakeholders in question (project, budget, staff, etc.), the units sometimes come together with these stakeholders (e.g. Court of Accounts). It is considered the process of improving existing applications and designing new applications.

Our units came together with the high school administrators and high school students that have been identified as an important external stakeholder in social contribution, which is one of the main duties of the university. In this meeting, activities such as laboratory practice, Project making, lectures, profession introduction and institution introduction were carried out. During these activities, many studies have been carried out to increase the scientific and cultural awareness of the society. After these meetings, analysis was made with the members of the unit who came together with the external stakeholders, and suggestions and developments for the next meetings were discussed.

L&NS meets with high school administrators and high school students, whom we identified as essential external stakeholders in social contribution, which is one of the primary duties of the University. In these meetings, activities such as laboratory practice, making projects, lectures, and professional promotion of the institution were carried out. In these activities, many studies were carried out to increase society's scientific and cultural awareness. After these meetings, analysis was made with the unit members who came together with the external stakeholders, and suggestions and improvements were discussed for the next meetings.

Another crucial external stakeholder group has been identified as alumni. However, we do not have any graduate students in our departments yet.

Level of maturity: 4

The stakeholder participation mechanisms are being monitored, and related improvements are made.

Evidence:

<http://flns.agu.edu.tr/fakulte-akademik-Kurul-kararlari>

<http://flns.agu.edu.tr/anket-hk>

http://www.agu.edu.tr/userfiles//bilgisayar/Computer%20Engineering%20Department/KAL%C4%B0TE/D%C4%B1%C5%9F_Payda%C5%9F_Anket_Raporu.pdfhttp://kalite.agu.edu.tr/ic-paydas_rpr

<https://bioeng.agu.edu.tr/haber/suemer-fen-lisesine-ziyaret>

<https://mbg.agu.edu.tr/ders-izlenceleri>

https://bioeng.agu.edu.tr/ders_izlenceleri

A.4.2. Student Feedbacks

Level of maturity: 4

In all programs, practices regarding receiving student feedback are followed and improved based on student participation. Feedback results are reflected in decision-making processes.

Evidence:

A.4.3. Alumni Relationships Management

Level of maturity: 1

There is no graduate monitoring system at L&NS

Evidence:

A.5. Internationalisation

A.5.1. Management of Internationalisation Processes

The management of internationalisation processes is carried out at the level of the Rectorate and with the coordination of affiliated units. There is an ERASMUS faculty representative and department ERASMUS coordinators in our Faculty, and the coordinators work together with the University ERASMUS Commission.

In order to achieve AGU's goal of becoming a world-renowned, recognised and accredited University as a pioneer of new generation universities, it has determined its internationalisation vision, mission and objectives (education, research, social integration, administrative structure) in the "2015-2023

Internationalization Action Plan" with stakeholder participation.

L&NS also acts in this context, and a commission called International Relations has been established in the Bioengineering Department.

Level of maturity: 4

The administrative and organisational structure of internationalisation processes is monitored and improved.

Evidence:

<http://flns.agu.edu.tr/erasmus-hk>

A.5.2. Internationalisation Resources

Level of maturity: 1

There are not enough resources for the institution to continue its internationalisation activities.

Evidence:

A.5.3. Internationalisation Performance

Level of maturity: 1

There is no internationalisation activity in the institution.

Evidence:

B. EDUCATION

B.1. Design and Approval of Programs

B.1.1. Design and Approval of Programs

Molecular Biology and Genetics Department and Bioengineering Department, which are actively continuing undergraduate education at the Faculty of Life and Natural Sciences, started education in 2016 and 2018, respectively, with the approval of YÖK. The education program was prepared in line with the processes defined in our University, adhering to the principles and format determined by YÖK. During the evaluation phase, the program design of the department, its similarities and differences with other programs at the University, the sustainability of the program, the targeted student profile, the department's focus areas, the targeted learning outcomes, and the postgraduate employment of future graduates were evaluated in a wide range. After the design of the program was assessed in all its dimensions, it was presented to the university senate. After the approval of the Senate, education and training began. The proposal to open a new program in our Faculty is planned to be carried out within the scope of the process followed in the proposal to extend the previous departments.

The program objectives and outputs of the two departments and the TYÇC compatibility of the program are defined by considering the comprehensive field survey (National and international field scanning, YÖK Turkey Higher Education Qualifications Framework (TYYÇ) undergraduate education qualifications) and Bologna process undergraduate qualifications. The documents containing the TYYÇ compliance of the departments are available both on the departments' website and on our university's quality control system website. In 2021, the MBG and BENG department curricula were updated and shared on the departments' websites.

Level of maturity: 4

Practices regarding the design and approval of programs are systematically monitored with the participation of stakeholders, and measures are taken by evaluating them together with stakeholders

Evidence:

http://kalite.agu.edu.tr/lisans_qual

<https://mbg.agu.edu.tr/bologna>

https://mbg.agu.edu.tr/uploads/formlar/MBG_Undergrad_TR.pdf

<https://mbg.agu.edu.tr/kalite>

<https://bioeng.agu.edu.tr/kalite>

<https://bioeng.agu.edu.tr/tyyc>

<https://bioeng.agu.edu.tr/bologna>

B.1.2. Course distribution balance of the program

The principles, rules and methods regarding the course distribution of the program are defined. The curriculum (curriculum) structure establishes the balance of compulsory-elective courses, field-non-field courses and provides cultural depth and the opportunity to get to know different disciplines. The number of lessons and weekly class hours is arranged so that the student can spare time for non-academic activities. The suitability and operability of the course information packages developed within this scope are monitored, and related improvements are made.

Level of maturity: 4

Course distribution balance is monitored and improved in the programs.

Evidence:

<https://mbg.agu.edu.tr/mbg-program-bilgileri>

<https://mbg.agu.edu.tr/muefredat>

<https://mbg.agu.edu.tr/ders-katalog>

<https://bioeng.agu.edu.tr/ders-plani-lisans>

<https://bioeng.agu.edu.tr/ders-plani-lisans>

<https://bioeng.agu.edu.tr/ders-icerikleri-lisans>

B.1.3. Matching course outcomes with program outcomes

Tables indicating the course codes, syllabuses, course days and places of the courses opened in the MBG and BENG departments are shared by UIS AGU. In order to ensure the quality control system, the matrices in which the course outcomes and program outcomes are matched in the departments' section, as in all departments, are available on our departments' website.

Level of maturity: 3)

In the department's program, the course outcomes that clearly indicate the cognitive level of the courses (Bloom level) and the program outputs were matched, and this matching was announced and reflected in the practices related to education (such as course profiles and syllabuses). However, the results of these practices are not monitored.

Evidence:

<https://mbg.agu.edu.tr/kalite>

<https://mbg.agu.edu.tr/ders-izlenceleri>

https://bioeng.agu.edu.tr/ders_izlenceleri

<https://bioeng.agu.edu.tr/kalite>

B.1.4. Design based on student workload

The ECTS value of all courses is shared on the website and verified by student workload tracking. There are practical learning opportunities for internships and professions, and sufficient student workload and credits are considered. The nature of the implementation is examined. The diversity that emerges with distance education was also considered in the design based on student workload.

Level of maturity: 4

Student workload is monitored in the programs, and the course design is updated accordingly.

Evidence:

https://mbg.agu.edu.tr/uploads/formlar/MBG_Undergrad_TR.pdf

<https://bioeng.agu.edu.tr/>

B.1.5. Monitoring and updating program outcomes

To monitor and update the program outcomes within the scope of the quality process, the matching of the program outcomes with the courses was made with the help of a matrix and published on each department's website.

Level of maturity: 4

The outputs of the departments of our Faculty are monitored systematically in line with institutional purposes. These monitoring results are evaluated together with the stakeholders, and updates are made.

Evidence:

<https://mbg.agu.edu.tr/kalite>

<https://bioeng.agu.edu.tr/kalite>

B.1.6 Management of education and training processes

There is a university education commission and learning and teaching centre responsible for coordinating all education-related processes. Education and training processes are carried out under the coordination of the senior management. Duties and responsibilities related to these processes are defined. Additionally, there is an education committee for departments, including faculty members responsible for decision-making processes regarding the programme after discussing with the whole faculty members.

Level of maturity: 4

Education practices regarding the teaching management system are monitored and improvements are made according to the follow-up results.

B.2. Execution of Programs (Student-Centered Learning, Teaching and Evaluation)

B.2.1. Teaching methods and techniques

In order for the University to make student-centred learning, teaching and evaluation, organisations are carried out by the education commission of the University, primarily under the leadership of the Vice-Rector for Education. At the beginning of each semester, informative meetings are held for the group, including our faculty members, to design a learner-centred course. During the online education process, a series of training programs were organised for instructors by the Center for Enhancement of Learning and Teaching (CELT) unit of our university to apply active learning principles and experience an effective and efficient online learning process.

In the 2021-2022 academic year, our University and department switched to the hybrid education model. Within the scope of this model, at least 40 per cent of the courses are conducted face-to-face following the requirements of the courses (theoretical, practical, etc.). Due to the nature of our department, laboratory courses are taught face to face.

Level of Maturity: 4

Well-developed teaching methods and techniques carried out in line with institutional purposes and sustainably have been adopted throughout the institution; In this context, the institution has many unique and innovative practices. Some of these are taken as an example by other institutions.

Evidence: NA

B.2.2. Measurement and evaluation

Our Faculty has a competency-based assessment and evaluation system design. Written exams are held to evaluate students' success, and in addition to classical exams and multiple-choice exams, some practical questions are used for assessment. Courses are given on a semester basis, and at least one midterm and one final exam are held each academic year. In addition, depending on the content of the courses that students must take during their 4-year education period, various evaluation methods such as homework, project, experimental designs, presentation and reports are applied in the program. To graduate from the program, the GPA must be at least 2.00. The final course grade is calculated by evaluating the factors mentioned above and according to the Abdullah Gül University Undergraduate Education and Examination Regulations. AGU-Center for the Enhancement of Learning and Teaching conducts surveys to investigate AGU students' satisfaction with the academic environment (especially the online education process).

Additionally, course evaluation questionnaires are applied as part of a continuous feedback process regarding the programs. The result of the course evaluation survey is analysed at the end of each semester, and the results are shared with the instructors. Within the scope of the analysis, rankings are made within the scope of the instructors-department-program.

Level of maturity: 4

Measurement and evaluation practices are followed in the department, and improvements are made in the measurement and evaluation system according to the follow-up results.

Evidence:

http://www.agu.edu.tr/userfiles//21_Aralık_LİSANS_Yönetmeliği.pdf

<https://mbg.agu.edu.tr/kalite>

https://mbg.agu.edu.tr/uploads/formlar/MBG_Undergrad_TR.pdf

<https://bioeng.agu.edu.tr/kalite>

<https://mbg.agu.edu.tr/mbg-program-bilgileri>

<https://bioeng.agu.edu.tr/>

B.2.3. Student Admission and Recognition and Crediting of Prior Learning

In our Faculty, national and international student quotas are suggested by the departments, forwarded

to the University Senate by the Faculty Board. After approval, it is forwarded to YÖK. The admission process of international students is carried out by our University's International Office and the Foreign Student Selection Commission based on international exams, diploma scores and country university entrance exams determined by the University Senate and approved by YÖK. National students are placed in our University through the exams conducted by the Student Selection and Placement Center. The criteria and quotas for international students are announced on the website of YÖK and the University before the applications.

All students starting at our University can certify their English language level by taking exams conducted by our language school or recognised institutions. Accordingly, they have the chance to skip the preparatory class, to be exempted from the first English lesson given in the first year, or to determine the group they will join after determining the level they will continue in the preparatory class.

Level of Maturity: 3

Findings obtained from practices related to student admission, recognition and crediting of prior learning are systematically monitored and evaluated together with stakeholders, and measures are taken according to the monitoring results.

Evidence:

Yükseköğretim Kurumlarında Ön Lisans ve Lisans Düzeyindeki Programlar Arasında Geçiş, ÇiftAnadal, Yan Dal ile Kurumlar Arası Kredi Transferi Yapılması Esaslarına İlişkin Yönetmelik
Abdullah Gül Üniversitesi Lisans Eğitim-Öğretim ve Sınav Yönetmeliği

B.2.4. Certifications of Qualifications and Diplomas

MBG and BENG students are subject to the Undergraduate Education Regulation, which includes the exams, evaluation and graduation conditions determined by our university.

Level of Maturity: 3

Approval of qualifications, graduation conditions and graduation decision processes are comprehensively and consistently defined and shared with the public. Certification and diploma processes are carried out, monitored, and necessary precautions are taken in accordance with this defined process.

Evidence:

<http://oidb.agu.edu.tr/yonetmelikler>

B.3. Learning Resources and Academic Support Services

B.3.1. Learning environment and resources

Classroom, library, computer facilities, social, cultural, sports activities, infrastructures, dining hall Student-oriented software, barrier-free university Applications such as Guidance, Health, Career Office, etc., are provided by the responsible units throughout the institution, and Faculty students benefit from the resources provided.

B.3.2. Academic support services

In our department, academic advisory services at the undergraduate level are generally face-to-face by faculty members. Currently, due to the COVID-19 pandemic, this task is sometimes continued by our faculty members online. The department head appoints an academic advisor among full-time faculty members and staff for each student enrolled in the undergraduate program (starting from the preparatory education). Advisors are responsible for helping students on various issues, such as adjustment to university life, academic guidance, and career planning.

Level of maturity: 4

Academic advisory services are followed in the unit and improved with the participation of students.

Evidence:

<http://oidb.agu.edu.tr/yonetmelikler>

B.3.3. Facilities and infrastructures

Facilities and infrastructures (dining hall, dormitory, technology-equipped study areas; health, transportation, informatics services, distance education infrastructure) are of appropriate quality and quantity, are accessible and presented to students' information/use. The use of facilities and infrastructures is examined.

Level of maturity: 4

The usage of facilities and infrastructure is monitored and improved according to needs.

B.3.4. Disadvantaged groups

There are barrier-free university applications in the university campuses in line with the needs.

B.3.5. Social, cultural, sports activities

The appropriate places, space, budget and guidance support for student societies and their social, cultural and sports activities. In addition, there is an administrative organisation that carries out and manages social, cultural and sports activities. The activities carried out are monitored and improved in line with the needs.

B.4. Teaching Staff

B.4.1. Appointment, promotion and assignment criteria

The required positions in the Faculty are reported to the Rector's Office through the Faculty by evaluating the number of students, teaching quality, and research opportunities. For the positions found appropriate by the Rector's Office, a staff position permit is requested from the Council of Higher Education. In our departments, the shortage of lecturers and/or the need for the necessary lecturer in the relevant field are met firstly from among our departments and then from other departments within our University. Assignment criteria were revised in 2021.

Level of Maturity: 3

Appointment, promotion and assignment criteria are defined for all department positions and are applied for decision-making processes (recruitment, appointment, promotion of education-teaching staff, and course assignments, etc.).

Evidence:

http://www.agu.edu.tr/userfiles//Personel%20Daire%20Başkanlığı/AGÜ_Akademik_Yükseltilme_ve_Atan.pdf

B.4.2. Teaching Competencies and Development

Although there is no particular application for our department, training is organised throughout our institution, in the middle of the semester or at the end of the semester, in which faculty members can be familiar with especially active learning models, and practices are carried out in line with these training in our department.

Level of maturity: 1

There are no specific actions to improve the teaching competence of the instructors in the unit.

B.4.3 Incentives and rewards for educational activities

There are no incentives or bonuses for educational activities in the Faculty. However, the scientific achievements of the faculty members (number of publications, number of projects, etc.) are followed, and the faculty member/members with the most scientific achievements were honoured in 2021 on a faculty basis.

Level of maturity (2)

There are plans to create competency-based, fair and transparent forms of incentive and rewarding mechanisms.

C. RESEARCH and DEVELOPMENT

C.1. Management of Research Processes and Research Resources

C.1.1. Management of Research Processes

Our Faculty carries out research and development activities that are compatible with the academic priorities determined within the framework of its strategic plan, which can produce value and be transformed into a social benefit. One of the priority areas of AGU is the field of "health and biotechnology". All of the scientific studies carried out in our Faculty are compatible with this field and produce academic output.

Coordination of research activities at our University is carried out by the Vice-Rector responsible for research and the advisor to the Rector for the research. In our Faculty, the coordination of research and development processes is carried out under the presidency of the Dean, together with the department heads. The Vice-Rector in charge of research, the advisor to the Rector for the research and the Dean of our Faculty come together at certain intervals and work on the management and improvement of research and development processes.

Level of maturity:

The results related to the management of research processes and the operability of the organisational structure in the institution are monitored, and precautions are taken.

Evidence:

http://www.agu.edu.tr/userfiles//95_sayfa.pdf

C.1.2 Internal and External Sources

Our Faculty has research laboratories such as "Biomaterials and Tissue Engineering Laboratory", "Cancer Signaling Laboratory", "Protein Production and Characterization Laboratory", "Drug Discovery and Molecular Effects" and "Rare Diseases and C. elegans Laboratory". Besides, for the new faculty members, plans are made to create physical and financial resources in appropriate quality and quantity, and they are shared at meetings with the University's administration.

In the Central Research Laboratory of AGU, there are three thematic laboratories related to our Faculty's research and development activities. These are the cell biology laboratory, the biomolecule production and characterisation laboratory, and the confocal imaging laboratory. These laboratories are open to our faculty members, and these laboratories are structured to be used effectively for

industry collaborations.

Research resources of our Faculty are managed to support priority research areas and cover all departments/ research fields. The data obtained from all these practices are systematically monitored. The results are evaluated with the stakeholders, precautions are taken, and resources are diversified according to the needs/demands.

In addition to the internal sources, our faculty members have nine ongoing research projects compatible with health and biotechnology. The projects were granted from institutions and organisations such as TÜBİTAK, Novartis and the Turkish Hematology Association. In line with the strategic goal of AGU, monitoring and feedback are made in our Faculty to increase the number of project applications every year.

Level of maturity:

Faculty manages the research and development resources according to the research strategy and balance among the departments.

Evidence:

<http://isoglulab.com/>

<https://www.ortakcilab.com/>

<http://www.akcoklab.com/>

<http://www.kaplanlab.com/index.html>

<http://merlab.agu.edu.tr/hucre-biyolojisi-lab>

<http://merlab.agu.edu.tr/biyomolekuler-uretim-lab>

<http://merlab.agu.edu.tr/konfokal-goruntuleme-lab>

<https://bioeng.agu.edu.tr/yayinlar-ve-projeler>

<https://mbg.agu.edu.tr/projeler>

<https://mbg.agu.edu.tr/yayinlar>

C.1.3. PhD programs and Post-doc facilities

The application processes of PhD programs, the number of registered students and graduates, and the development trends are monitored by the Graduate School of Engineering and Science. Our Faculty directly contributes to the PhD program in the bioengineering department. In addition, our Faculty has postdoctoral opportunities, and the policy of inbreeding is clear.

Level of maturity:

The faculty tracks the output of PhD programs and the Post-doc facilities and improves the outcomes regularly.

Evidence:

<http://fbe.agu.edu.tr>

<http://fbe.agu.edu.tr/bioengineering>

C.2. Research Competence, Collaborations and Supports**C.2.1. Competence and Development of the Research**

The faculty administration meets at regular intervals to evaluate and develop the research competence of the academic staff, and the situation is assessed. After these evaluation meetings, feedback is given by the faculty administration, and necessary precautions are taken.

Level of maturity:

University monitors the applications to improve the research competence and evaluates the obtained data with faculty members.

Evidence:

The notes of the Faculty academic board

<https://zoom.us/j/97762834220?pwd=WTMxdUlwazE1WkxFMlczc1ZXUzJ3UT09>

C.2.2. National and International Joint Programs and Joint Research Units

Our Faculty supports all initiative and application approaches for national and international joint programs. With the other units of the University, our Faculty welcomes all plans and processes related to participating in networks and establishing research collaborations.

C.3. Research Performance**C.3.1. Performance Evaluation of Faculty Members**

University's research activities are monitored annually, evaluated, compared with targets, and the deviations are investigated. All the data obtained by the related units such as Technology Transfer Office, Carrier Office, International Office and Quality Office are systematically evaluated in terms of the focus areas, awareness within and outside the University. The competition with other universities is followed by the benchmarking technique, systematic and permanent performance evaluations is provided. As mentioned earlier, our Faculty contributes with its credentials and outputs to the process.

C.3.2. Performance Evaluation of Faculty Members

The University administration requests an annual report from the faculty members to improve research competence. Besides, our Faculty periodically informs the University administration about up-to-date situations and our faculty members' research and developments activities. According to the data obtained by the faculty administration, necessary precautions are taken.

Level of maturity:

University has mechanisms and processes to monitor and evaluate the faculty members' research performance.

Evidence:

http://www.agu.edu.tr/userfiles//Fuarlar/GSES/Ara%C5%9Ft%C4%B1rma_G%C3%B6revlileri_Faaliyet_Raporu.pdf

D. SOCIAL CONTRIBUTION

D.1. Management of Social Contribution Processes and Social Contribution Resources

D.1.1. Management of Social Contribution Processes

The authorities and responsibilities are determined, and studies are carried out for social contribution activities to produce value and turn them into social benefit according to the social contribution policy. The results of the practices are monitored, and improvements are made by evaluating the follow-up results.

Level of maturity: 4

The results related to the management of social contribution processes and the operability of the organisational structure in the institution are monitored, and measures are taken.

D.1.2. Resources

Establishment of the commission and determination of their tasks

AGU Campus, conference room

Level of maturity: 3

The institution manages its social contribution resources by considering the social contribution strategy and the balance between the units.

D.2. Toplumsal Katkı Performansı

The management of the social contribution processes was established first at the departmental and then at the faculty levels.

Members in the department and Faculty have been defined.

To contribute to society, the university's physical infrastructure is used for congresses, workshops, and career workshops planned for high school students. The institution provides all technical support. The institution determines financial requirements.

Academics from the Faculty of Life and Natural Sciences have applied for and received funding for various projects. These projects research diseases' molecular mechanisms better and develop drugs and novel treatment methods for diseases. Master's and doctoral students are trained through these projects.

Level of maturity: 4

Social contribution performance is monitored, evaluated with relevant stakeholders and improved.

Evidence:

In the Department of Bioengineering, our faculty members, Dr Şerife Ayaz-Güner, Dr Özkan Fidan ve Dr Oktay Kaplan, in the Department of Bioengineering, have offered a new Global Issues course (GLB203). Our faculties have offered this course to increase our students' awareness of SDG3 by creating a bridge between SDG3 and current bioengineering studies.

Academics play an essential role in contributing to society. They present scientific studies and project outcomes at conferences. Academics who conduct significant research in Health and Basic Science hope to benefit the community with their findings and studies. Presentations and speeches given at conferences and published articles are methods used to explain the results to the general public. Additionally, our faculties provided an essential contribution to the public through the academic publications on the COVID-19 pandemic as one of the current public health problems: our faculty members, Assoc. Prof. Alper İšođlu and Prof. Dr Sevil İšođlu, also got a patent on a new nanocarrier for the treatment of breast cancer. In addition, our faculties contributed to society, particularly students, with their talks at the conferences and other platforms in which they shared their studies.

The TUBITAK project applied by Şerife Ayaz-Güner and Altan Ercan was supported.

Dr Fatih Ortakçı's projects are supported, including TM4101. TUSAS project, ERU BAP Project and, 2232 International Leading Researchers Project.

Contests

MBG students under the supervision of our faculty member in the Department of Bioengineering, Dr Özkan Fidan, participated in the Biotechnology Innovation Competition in Teknofest 2021. Totally of 4 teams represented AGU in the finals of the Idea category of this competition, for which around 80

teams have participated. One of our teams received the best presentation award.

Patents

Meme kanserinin tedavisine yönelik yeni bir nanotaşıyıcı, Alper İšođlu, Sevil İšođlu, The Invention Registration Number: 2016 19685 B , Initial Registration, 2021, Register Country: Turkey.

Projects

Multipl Skleroz ve Bilişsel Bozukluklar İçin Nöroenflamasyon Üzerine Çoklu Hedefleme: Siproksifan ve Fingolimod Bazlı Hibrit Türevlerinin Tasarımı, Sentezi ve Beyin Organoidlerinde Biyoaktivitelerinin Belirlenmesi, TÜBİTAK (119Z389), 2021- devam ediyor, Yürütücü: Alaattin ŞEN.

PI3K-AKT-mTOR Yolađı ve Histon Deasetilaz Enzimlerinin Hedeflenmesinin Akut Myeloid Lösemi Hücreleri Üzerine Antitümör Etkisinin İncelenmesi, TÜBİTAK (121Z691), 2021 - devam ediyor, Yürütücü: Emel Başak GENCER AKÇOK.

İmmünoglobulin G Glikan Yapılarının Sentezi, İşlevi ve Terapötik Potansiyeli, TÜBİTAK 1001 (121S437), Yürütücü: Altan ERCAN.

Proteogenomik Yaklaşımlar Kullanılarak *Trueperella Pyogenes* Pyolosin Toksinine Özgü Nanokorların Tanımlanması, TÜBİTAK 1001 (121O664), Yürütücü: Şerife AYAZ GÜNER.

Biyoaktivitesi Geliştirilmiş Şeker Pancarı Yaprađı Protein Hidrolizatlarının Çift Katlı Emülsiyon İle Mikroenkapsülasyonu, TÜBİTAK-3501, 2021- 2024, Araştırmacı: Aysun ADAN.

Midostaurin Dirençli FLT3-ITD Pozitif Akut Miyeloid Lösemide Sfingosin Kinaz ve Glukozil Seramid Sentazın Rolü. Novartis, Material Support, 2021- 2024. Yürütücü: Aysun ADAN.

Deneysel FLT3-ITD Pozitif Akut Miyeloid Lösemide Sfingozin Kinaz ve Glukozil Seramid Sentazın Genetik Olarak Hedeflenmesinin Midostaurin Direncinin Geri Çevrilmesindeki Rolü, TÜBİTAK, Yürütücü: Aysun ADAN.

Midostaurin Dirençli FLT3-ITD Pozitif Akut Miyeloid Lösemide Sfingozin Kinaz ve Glukozil Seramid Sentazın Direnç Gelişimindeki Rolünün Moleküler Düzeyde Araştırılması. Türk Hematoloji Derneđi, Yürütücü: Aysun ADAN.

Multipl Skleroz ve Bilişsel Bozukluklar için Nöroenflamasyon Üzerine Çoklu Hedefleme: Siproksifan ve Fingolimod Bazlı Hibrit Türevlerinin Tasarımı, Sentezi ve Beyin Organoidlerinde Biyoaktivitelerinin Belirlenmesi, TÜBİTAK 1001 (119Z389), Yürütücü: Alaattin ŞEN.

Capparis Ovata'dan İzole Edilen Olean-12-En-28-Ol, 3 β Pentakosanoat'ın (Opc) Multipl Skleroz'un Semptomatik Tedavisi İçin in Vivo Etkinliğinin İncelenmesi, TÜBİTAK 1001 (117S293), Yürütücü: Alaattin ŞEN.

Histon Deasetilaz İnhibitörlerinin Pten/PI3k/Akt/Mtor Yolağı Ve Kolanjiokarsinoma Gelişimine Olan Etkilerinin Moleküler Düzeyde Belirlenmesi, TÜBİTAK 3501 (217S660), Yürütücü: Emel Başak GENCER AKÇOK.

B Hücreli Akut Lenfoblastik Lösemi (B-ALL) Yüzey Proteomunun İncelenerek Yeni Kimerik Antijen Reseptörü (CAR) Hedeflerinin Belirlenmesi, TÜBİTAK 1001 (119S457), Yürütücü: Servet Özcan, Araştırmacı: Şerife AYZAZ GÜNER.

Bardet-Biedl Sendromu Proteinlerinin Silya Girişindeki Rolünün Araştırılması, TÜBİTAK-1002 (121Z896), Yürütücü: Sebiha ÇEVİK-KAPLAN

CRISPR ile Elde Edilmiş C. Elegans Mutant Joubert Sendromu Geni CEP41'in Fonksiyonel Karakterizasyonu, TÜBİTAK 1001 (118S552), Yürütücü: Oktay KAPLAN

Yeni Silya Genlerinin Ortaya Çıkarılması ve Karakterize Edilmesi, TÜBİTAK 3001 (118Z471), Yürütücü: Oktay KAPLAN

RNA ikincil yapılarının çok boyutlu gösterimi ve pre-miRNA tespiti için uygulamaları, TÜBİTAK 1002 (120E042), Yürütücü: M. Duygu Saçar Demirci.

Project outcomes

Şahin HN, Adan A. Glucosylceramide Synthase Is a Novel Biomarker of Midostaurin-Induced Cytotoxicity in Non-Mutant FLT3 Positive Acute Myeloid Leukemia Cells. *Experimed*, 2021;11(3):149-55. doi: 10.26650/experimed.2021.974943.

Oğuz O, Adan A. Involvement of Sphingolipid Metabolism Enzymes in Resveratrol-Mediated Cytotoxicity in Philadelphia-Positive Acute Lymphoblastic Leukemia. *Nutr Cancer*. 2021;1-14. doi: 10.1080/01635581.2021.2005806.

Acar MB, Ayaz-Guner S, Gunaydin Z, Karakukcu M, Peluso G, Di Bernardo G, Ozcan S, Galderisi U. Proteomic and Biological Analysis of the Effects of Metformin Senomorphics on the Mesenchymal Stromal Cells. *Frontiers in Bioengineering and Biotechnology* 2021;9;10.3389/fbioe.2021.730813.

Cevik S, Kaplan OI. The Joubert syndrome protein CEP41 is excluded from the distal segment of cilia in *C. elegans*. *MicroPubl Biol*. 2021;2021:10.17912/micropub.biology.000406.

Cevik S, Kaplan OI. Subcellular localisation of the voltage-gated K⁺ channel EGL-36 , a member of the KV3 subfamily, in the ciliated sensory neurons in *C. elegans*. *MicroPubl Biol*. 2021;2021:10.17912/micropub.biology.000367.

Acar MB, Aprile D, Ayaz-Guner S, Guner H, Tez C, Di Bernardo G, Peluso G, Ozcan S, Galderisi U. Why Do Muse Stem Cells Present an Enduring Stress Capacity? Hints from a Comparative Proteome Analysis. *International Journal of Molecular Sciences*. 2021; 22(4):2064.

Demirci YM, Saçar Demirci MD, Circular RNA-MicroRNA-MRNA interaction predictions in SARS-CoV-2 infection. *Journal of Integrative Bioinformatics*, 2021.

BAYRAM N. N. , Ulu G. T. , TOPUZOĞULLARI M., Baran Y., DİNÇER İŞOĞLU S.,

HER2-Targeted, Degradable Core Cross-Linked Micelles for Specific and Dual pH-Sensitive DOX Release MACROMOLECULAR BIOSCIENCE, 2021

Pir MS, Bilgin HI, Sayici A, Coşkun F, Torun FM, Zhao P, Kang Y, Cevik S , Kaplan OI, ConVarT: a search engine for matching human genetic variants with variants from non-human species., *Nucleic Acids Research*, 2021.

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Erol I, Kotil SE, Fidan O, Yetiman AE, Durdagi S, Ortakci F, In Silico Analysis of Bacteriocins from Lactic Acid Bacteria Against SARS-CoV-2, *Probiotics and Antimicrobial Proteins*, 2021, 1-13.

F Ortakci, A Yetiman, E Kotil, Genome analysis of a new potential probiotic strain *Lactiplantibacillus plantarum* DY46 isolated from fermented turnip, *International Biotechnology Conference*, September 9-11, 2021.

Mesude Bicer, Graeme S. Cottrell & Darius Widera, Impact of 3D cell culture on bone regeneration potential of mesenchymal stromal cells, *Stem Cell Research & Therapy*, 2021 Jan 7;12(1):31.

Enrico C. Torre, Mesude Bicer, Graeme S. Cottrell, Darius Widera, and Francesco Tamagnini, Time-Dependent Reduction of Calcium Oscillations in Adipose-Derived Stem Cells Differentiating towards Adipogenic and Osteogenic Lineage. *Biomolecules* 2021, 11(10), 1400.

Invited Speakers

Dinçer İřođlu S., "Polymeric Nanocarriers and Targeting", 6. International Veterinary and Animal Sciences Congress, September 2-4, 2021.

Dinçer İřođlu S., "Bioengineering and Biomaterials", Anatolian Genetics and Biology Platformu, May 26, 2021.

Dinçer İřođlu S., "Biyomalzemeler", BIOHUB, Yeni Yüzyıl Üniversitesi, Biyomedikal Mühendisliđi Kulübü, March 14, 2021.

Dinçer İřođlu S., "Bioengineering and Biomaterials and Beyond", IV. GENÇOM Student Congress, March 6-7, 2021.

Kaplan Oktay, Organiser: Bioinfocongress

Talk Title: Single Cell RNA Sequencing for Disease Gene Discovery Date: 25 September 2021

<https://www.youtube.com/watch?v=kIu9DX-GbXQ>

CONCLUSION and EVALUATION

1. Quality Assurance System:

Strengths

- Determining and updating the purpose, target and performance indicators of the mission, vision, core values, quality policies and strategic plan with stakeholder participation of the Institution,
- We create the Quality Assurance System and Education, Research, Community Contribution SWOT cycles in a written and defined form specific to AGU.
- Having both international students and lecturers at L&NS; Academics and students go abroad through exchange programs for training and internships, and international students and lecturers come to our Faculty.

Opportunities

- The use of Quality Assurance System and implementation of SWOT analysis for Education, Research and Contribution to Society.
- The use of quality-related teaching, monitoring and evaluation to route the feedback obtained.
- The strategic plan system collects data, sets goals, and reviews and evaluations.
- L&NS depends on the strategic planning processes in establishing and maintaining Quality Assurance. It is aimed that the strategic planning process and practices will be widely accepted and become a fundamental part of our faculty culture.
- Considering that L&NS should evaluate all its activities realistically and critically to strengthen its position in the rapidly changing world of higher education, regular self-evaluation processes regarding all activities are among utmost priorities.
- It is also aimed to improve all processes and institutionalise process management.

2. Education

Strengths

- They are gaining the awareness of "solution to globalisation problems", "transdisciplinary

research culture", "team work" and "contribution to society" with a student-oriented approach in the compulsory courses that all AGU students take together and form joint teams.

- Initiating the pilot modular program, the 3-Dimensional Curriculum (Individual Development Pathway, Global-Local Studies Pathway and Specialization Pathway) approach is adopted within the framework of innovative university design at AGU.
- The L&NS supports and contributes to the national and international internships of the students,
- The Faculty provides student-oriented education with many applied methods.
- The young and dynamic faculty members and the small size of the university increase productivity by creating a warm working environment.
- Sharing the video recordings taken in the natural experimental environment and the analysis and interpretation of the obtained data with the students in the laboratory and project courses held with Distance Education

Opportunities

- Making measurements and evaluations within the continuous improvement cycle and analysing the results, making the necessary concrete improvements and sharing them with the stakeholders,
- In line with the strategic objectives of the AGU, we are training the trainers particularly regarding quality processes and measuring the effectiveness of the training.
- Systematic monitoring and evaluation of the Program Outcomes and the results of the TYYÇ? Relationship.
- Developing different measurement and evaluation methods to determine whether the Program Educational Objectives and Program Outcomes are achieved and periodically monitoring them
- Online exams, homework, project etc., in distance education. Determining the measures to be taken to prevent cheating incidents that may occur during events

3. Research and Development:

Strengths

- Qualified faculty conducting AR-GE, TUBITAK and BAP studies, raising awareness about

science and participating institution-related processes actively. At L&NS, distinguished scientists are allocated who carry out R&D studies such as TUBITAK, TUSAŞ and BAP, and support the dissemination of science.

Opportunities

- Reviewing the effectiveness and efficiency of research results, ensuring its continuity and quality assurance
- Increasing cooperation on a local and global scale in line with the objectives and finalising successful applications from these cooperations

4. Social Contribution:

Strengths

- Establish the Social Contribution Commission in the Faculty and Departments to monitor the 17 basic development goals of the UN (17 SDGs) and increase institutional awareness on this issue.

Opportunities

- Reviewing social contribution processes and results in terms of effectiveness and efficiency, taking necessary measures to ensure the continuity of successful results,
- Further development of cooperation with stakeholders on social contribution and monitoring the results, making improvements by monitoring the activities of the Social Contribution Commission

5. Administration

Strengths

- Our Faculty is committed to excellence in education and research, student-oriented education, freedom in management and academic life, autonomy, participation, respect for differences, egalitarianism, rationality, protecting ethical values, defending fundamental rights and freedoms, caring about public and social responsibility, and global issues. It meticulously carries out all the necessary studies and improvements to continue to have all the qualities such as sensitivity to nature and environmental problems and maintaining its institutional culture.

- L&NS has established commissions to ensure participation and transparency in all management processes.

Opportunities

- The most crucial resource that our Faculty should have to achieve its future goals is qualified human resources. Although our Faculty has qualified human resources in its academic and administrative staff, it is not at a sufficient level to realise the future goals of the Faculty. To overcome this deficiency, the employment of qualified personnel who will work in academic fields is considered.
- Physical facilities need to be developed and improved.
- Elimination of deficiencies in job descriptions, task distribution and complaint process management related to human resources management
- The establishment of an institutional quality information system that will provide a comprehensive analysis of information related to quality processes with the integration of information systems created for different purposes (UIS, Schoology, Canvas, AVESİS, BAPSİS) has not been completed yet
- Elimination of deficiencies regarding how the progress and effectiveness of the Digital Transformation studies in education, research, etc. are followed, how the problems to be encountered will be handled (risk management)
- We are reshaping the supplier management by considering the SDGs beyond the legal framework and making improvements to provide additional benefits in terms of other social and environmental objectives while ensuring the procurement of quality service in this process.