

FACULTY OF LIFE & NATURAL SCIENCES (L&NS) INTERNNAL EVALUATION REPORT 2022

> Sümer Campüs, 38080 KOCASİNAN /KAYSERİ Ocak, 2023

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3. Research and Development:
Strengths

GENERAL INFORMATION

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A. LEADERSHIP, ADMINISTRATION and QUALITY

A.1. Leadership and Quality

A.1.1. Administrative Model and Structure

2	3	4

1

5

Comments	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.

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.

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 (1)

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. (2)

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. (3)

Sensitive tasks and risk are defined within the scope of risk management.(4)

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. (5)
	Workflow charts reflecting the essential administrative and support processes were
	created. (6)
	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. (7)
	Faculty Quality Assurance Committee. (8)
	Faculty Executive Board Decisions (9)
	Activity Reports (10)
	Program Budget Performance Assessment Reports (11)
Evidence	http://www.agu.edu.tr/userfiles//1yasam/idari_te%C5%9Fkilat_%C5%9Femas%_
	<u>C4%B1.pdf</u> (1)
	http://www.agu.edu.tr/userfiles//1yasam/akademik_te%C5%9Fkilat_%C5%
	<u>9Femas%C4%B1.pdf (1)</u>
	http://flns.agu.edu.tr/gorev_tanimlari (2)
	http://flns.agu.edu.tr/komisyon (3)
	http://flns.agu.edu.tr/hassasgorevler (4)
	http://www.agu.edu.tr/userfiles//Yaz%C4%B1%20%C4%B0%C5%9Fleri/e
	<u>bysyonergesi.pdf</u> (5)
	http://flns.agu.edu.tr/isakisi (6)
	http://flns.agu.edu.tr/yonetmelikler (7)
	http://flns.agu.edu.tr/yonergeler (7)
	http://www.agu.edu.tr/userfiles//1yasam/Kalite_Komisyon_%C3%9Cyeler.pdf
	(8)
	http://www.agu.edu.tr/userfiles//1yasam/06_01.2022%20akt.pdf (9)
	http://www.agu.edu.tr/userfiles//1yasam/Kalite_Kurul_Toplant%C4%B1_2022.p
	<u>df</u> (9)
	http://flns.agu.edu.tr/fakulte-yonetim-kurulu (9)

	http://flns.agu.edu.tr/fakulte-kurulu (9)							
	http://flns.agu.edu.tr/faaliyet-raporu (10)							
	http://flns.agu.edu.tr/deger-rapor (11)							
A 1 2 T		1	•	2	4	-		
A.1.2. Lead	lersnip	1	2	3	4	5		
Comments	The task is carried out according to the Quality Assurance and Administration Policies determined by the AGU. Leadership processes and internalization of the quality assurance culture are constantly evaluated. (one) The mentality of leadership involving coordination culture has been established in							
	each unit. In addition to strategies in line with institution, leaders also manage power sharing motivation, and stress effectively and sustainable	ng, rela ly.2)	ationsh	ips, tiı	me, co	rporate		
	An effective communication network has been and administrative units with the administration		shed be	etween	the ac	ademic		
	Academic Board Meeting is held in the first participation of our internal stakeholders, our a			•	onth w	vith the		
	To measure the suppliers' satisfaction, it is required the unit. (5)	uired to	o fill ou	ıt a for	m to e	valuate		
	Evaluation Reports (6)							
Evidence	http://kalite.agu.edu.tr/kal-guven-sis (1)							
	http://www.agu.edu.tr/userfiles/bilgisayar/Comp ment/KAL%C4%B0TE/2020.12.01_kalite%20g 4%B1.pdf (1)							
	http://flns.agu.edu.tr/komisyon (2)							
	http://www.agu.edu.tr/userfiles//1yasam/Fak%C ulu_%C3%9Cyeleri_v.pdf (2)	<u>C3%BC</u>	<u>Clte_Y</u> %	<u>%C3%]</u>	<u>B6netir</u>	<u>n_Kur</u>		
	http://www.agu.edu.tr/userfiles//1yasam/Fak%C	<u>C3%BC</u>	<u>Clte_Ku</u>	<u>rul_%</u>	<u>C3%90</u>	<u>Cyeleri</u>		
	<u>ve G%C3%B6revle.pdf</u> (2)							
	http://cd.agu.edu.tr/index.php/s/XQh1fmD8U0E	BUc4n	(3)					
	http://cd.agu.edu.tr/index.php/s/EysTeJws5GEe	<u>zAj</u>	(3)					
		-						

	http://www.agu.edu.tr/userfiles//1yasam/06_01.2022%20akt.pdf (4)							
	http://www.agu.edu.tr/userfiles//1yasam/09_05.2022%20akt.pdf (4)							
	http://cd.agu.edu.tr/index.php/s/A6f9GsIfWIFcSjB_(5)							
	http://flns.agu.edu.tr/faaliyet-raporu (6)							
	http://flns.agu.edu.tr/deger-rapor (6)							
A.1.3. Insti	tutional Transformation Capacity	1	2	3	4	5		
Comments	It has agile management competence that ensu	res the	institu	tion is	ready	for the		
	future by considering the changes in the higher e	ducatio	on ecos	ystem,	global	trends,		
	national targets, and stakeholder expectations.	Appı	oaches	invol	ving ac	laptive		
	management, benchmarking, and innovative ma	nagem	ent are	applied	d to tra	nsform		
	the institution parallel with the purpose, mission	n, and t	argets	for ada	ptatior	to the		
	future and strengthen corporate originality.							
	In the meetings held with the institution's se	enior n	nanager	nent, t	he nee	eds for		
	development and change were discussed.							
Evidence								
A.1.4. Inter	nal Quality Assurance Mechanisms	1	2	3	4	5		
Comments	Within AGU, Quality Assurance System and	Educat	ion, Re	esearch	, Com	munity		
	Contribution SWOT analysis have been prepare	d and p	oublishe	ed on tl	ne web	site (1)		
	Within the scope of the operation of the cy	cles, t	he per	forman	ce ind	icators		
	specified in the strategic plan of AGU are more	nitored	in the	Facult	y of L	ife and		
	Natural Sciences for 3-month periods. They are	also mo	onitore	d annua	ally fol	lowing		
	the end of each year. (2)							
	In addition, quality commissions were established	ed in bo	oth Facu	ulty and	d depar	tments		
	to internalise quality processes by all academic	and no	n-acad	emic st	aff. (3))		
	Also, some faculty members were appoin	ted to	the	Univer	sitv's	quality		
	subcommittees. The administrative board disser				•			
	(4)			-		J *		
	In order to ensure the participation of the quality	y comn	nission	memb	ers witl	nin our		
	Faculty and departments in the SWOT analysi	s mai i	nust be	e tollov	ved wh	ile 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. (5)
	As with the PDCA cycles, which actions, processes, and mechanisms will be activated on the basis of the calendar year are planned, and the flow charts are determined. (6)
	Responsibilities and authorities are defined, and the implemented applications are evaluated. (7)
	Other quality cycles, which are not designed on a calendar year basis, are indicated with evidence that they include all layers, and the executed practices are evaluated. (8)
	There is an institutional quality assurance guide that is accessible and updated document with policy details. (9)
Evidence	http://kalite.agu.edu.tr/ (1)
	http://kalite.agu.edu.tr/kal-guven-sis (1)
	http://www.agu.edu.tr/userfiles//1yasam/Program_Butce_Performans_Gosterg.pd f (2)
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Nisan_Ma y%C4%B1s_Haziran.pdf (2)
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Temmuz_ A%C4%9Fustos_Ey1%C3%BC1.pdf (2)
	http://www.agu.edu.tr/userfiles//1yasam/Kalite_Komisyon_%C3%9Cyeler.pdf (3)
	http://www.agu.edu.tr/userfiles//1yasam/Biyom%C3%BChendislik_B%C3%B6l %C3%BCm%C3%BC.pdf (4)
	http://www.agu.edu.tr/userfiles//yasam_doga_depo/MBG_KOMISYONLAR.pdf (4)
	http://www.agu.edu.tr/userfiles//1yasam/Kalite_Kurul_Toplant%C4%B1_2022.p df (5)

	http://flns.agu.edu.tr/isakisi (6)						
	http://flns.agu.edu.tr/gorev_tanimlari (7)						
	http://flns.agu.edu.tr/komisyon (7)						
	http://www.agu.edu.tr/userfiles//1yasam/06_01.2022%20akt.pdf (7)						
	https://mbg.agu.edu.tr/ders-izlenceleri (8)						
	https://bioeng.agu.edu.tr/ders_izlenceleri (8)						
	http://kalite.agu.edu.tr/kalite-el-kitabi (9)						
A.1.5. Public Disclosure And Accountability12345							
Comments	L&NS and affiliated departments present the in carried out on theweb pages to the public's at and transparent manner. In addition, infi- developments are announced on the main web p be accessed quickly. (1) Non-confidential Faculty Executive Board Dec and Faculty Academic Board Decisions are share Detailed information and data about the under shared with the public, especially with univer families, within the scope of promotional active hosted at the University, our laboratories are inter- and information is shared. L&NS administ accountable to its internal inspector, YÖK and Budget is used transparently with a practical, ea policy in line with the needs determined by the responsibility of the expense officer (3) The strategic plan covering the years 2018- objectives and methods of achieving them, and a the prioritisation of resource allocation and account been determined whether the targets envisaged and the criteria to be accounted for are evaluated	tention formation ages of cisions. red on gradua rities. I troduce tration I Court conomi acader 2022, future- puntabi to be ac d. (4)	in an an ab the AC f the AC f the AC ate prog andidate n this a ed, high carries f of Ac ac and e nic fac which -oriente lity. In chieved	up-to-co out ac GU. The ty Boar culty We grams of e stude context a schoo s out counts. efficien ulty bo include ed persp this dir l have b	late, ac ctivities ese pag rd Dec: ebsite. of L&N nts and , studer ls are v its act The F t exper ard und es the pective, rection, been rea	ccurate s and ges can isions, (2) NS are d their nts are visited, ivities Faculty nditure der the goals, , guide , it has alised,	
	Faculty employees are aware of the relevant pro- in the procurement processes by being the met- such as tender, inspection, acceptance and contr	mbers	o the v	arious			

	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. (6)							
Evidence	http://flns.agu.edu.tr/ (1)							
	http://www.agu.edu.tr/ (1)							
	http://flns.agu.edu.tr/fakulte-yonetim-kurulu (3)							
	http://flns.agu.edu.tr/fakulte-kurulu (3)							
	http://www.agu.edu.tr/userfiles//1yasam/06_01.2022%20akt.pdf (3)							
	http://www.agu.edu.tr/userfiles//1yasam/09_05.2022%20akt.pdf (3)							
	http://www.agu.edu.tr/userfiles//95_sayfa.pdf (4)							
	http://flns.agu.edu.tr/stratejikplan (4)							
	http://flns.agu.edu.tr/komisyon (5)							
	http://flns.agu.edu.tr/faaliyet-raporu (6)							
	http://www.agu.edu.tr/userfiles//1yasam/Program_Butce_Performans_Gosterg.pd							
	<u>f</u> (6)							
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Nisan_Ma							
	<u>y%C4%B1s_Haziran.pdf</u> (6)							
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Temmuz_							
	$\underline{A\%C4\%9Fustos_Eyl\%C3\%BCl.pdf}$ (6)							
A.2. Mission	and Strategic Objectives							
A.2.1. Missio	on, Vision ve Policies 1 2 3 4 5							
Comments	Mission and vision are well-defined statements that are known and shared by employees. It is specific to the faculty and a guide to creating a sustainable future. In line with the mission and vision of our university, the vision and mission of our faculties and departments have been established. (1)							
	ravaries and departments have been established. (1)							

	The institution has a quality assurance policy the	at has h	neen nre	enared	by takir	ng the		
	opinions of the stakeholders. It is known and shared by the employees. The policy							
	document is simple, concrete, and realistic, outlining the sustainable quality							
	assurance system. The management style, structuring, basic mechanisms, and							
	central setup of the quality assurance policy are explained.							
	Likewise, there are education and training (including distance education), research							
	and development, social contribution, management, and internationalization							
	policies basing quality assurance policy. (2) Mi	ssion a	and visi	on are	well-de	efined		
	statements that are known and shared by employed	oyees.	It is sp	ecific t	o the fa	aculty		
	and a guide to creating a sustainable future.							
Evidence	http://www.agu.edu.tr/vizyonmisyon (1)							
	http://flns.agu.edu.tr/vizyon-misyon (1)							
	https://mbg.agu.edu.tr/vizyon-ve-misyonumuz	(1)						
	https://bioeng.agu.edu.tr/misyon-ve-vizyon (1)							
	http://kalite.agu.edu.tr/kalite_pol (2)							
A.2.2. Strategic Goals and Objectives12345								
Comments	Strategic Plan culture and tradition have been est	ablishe	d. The	strategi	c plan c	covers		
	the current period, short/medium long-term objectives, targets, sub-goals, actions,							
	timing, prioritization, responsibilities, and financial resources. It was prepared by							
	taking the opinions of all stakeholders (particularly strategic stakeholders). While							
	preparing the current strategic plan, a detailed e	valuati	on of tl	ne prev	ious on	e was		
	made and used. Annual occurrence is follows	ed and	discus	sed in	the re	levant		
	committees, and necessary precautions are taken	1.						
Evidence	http://www.agu.edu.tr/userfiles//95_sayfa.pdf							
	http://flns.agu.edu.tr/stratejikplan							
	http://www.agu.edu.tr/userfiles//1yasam/Program	n_But	ce_Perf	ormans	s_Goste	erg.pd		
	<u>f</u> http://www.agu.edu.tr/userfiles//1yasam/2022_Y	Z04 C 40	D 110/	C 404 D	1 Nicos	o Mo		
	<u>y%C4%B1s_Haziran.pdf</u>	<u>1 70C47</u>	<u>1170</u>	<u>U + 70 D</u>	<u>1_1NISäl</u>	<u>1_1V1d</u>		
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y	<mark>7%C</mark> 4%	% B 11%	C4%B	1_Tem	muz_		
	A%C4%9Fustos_Ey1%C3%BC1.pdf							
	http://flns.agu.edu.tr/faaliyet-raporu	[1				
A.2.3. Perfor	mance Management	1	2	3	4	5		
		1	1	1		4		

Comments	Performance management systems in the institution are handled with a holistic approach. These systems help the institution to continuously improve and prepare for the future in parallel with its strategic goals. Supported by information systems, performance management is ensured to be accurate and reliable. Performance management, which reflects the strategic perspective of the institution, is carried out with a process-oriented approach and stakeholder participation. Unit performance indicators covering all key activities were defined and posted.
Evidence	http://flns.agu.edu.tr/isakisi http://flns.agu.edu.tr/gorev_tanimlari
	http://www.agu.edu.tr/userfiles//1yasam/Biyom%C3%BChendislik_B%C3%B6l %C3%BCm%C3%BC.pdf
	http://www.agu.edu.tr/userfiles//yasam_doga_depo/MBG_KOMISYONLAR.pdf
	http://flns.agu.edu.tr/komisyon
	http://flns.agu.edu.tr/disiplinrehberi
	http://www.agu.edu.tr/userfiles//95_sayfa.pdf
	http://flns.agu.edu.tr/stratejikplan
	http://www.agu.edu.tr/userfiles//1yasam/Program_Butce_Performans_Gosterg.pd f
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Nisan_Ma y%C4%B1s_Haziran.pdf
	http://www.agu.edu.tr/userfiles//1yasam/2022_Y%C4%B11%C4%B1_Temmuz_ A%C4%9Fustos_Ey1%C3%BC1.pdf
	http://flns.agu.edu.tr/faaliyet-raporu

A.3.1. Information Management Systems		1	2	3	4	5
Comments	The Information Technologies Department carr	ries out	t inform	nation	Manag	ement
	Systems at AGU under the President, the	Vice P	residen	it and	the re	levant
	commission. IT department buy additional e	xpert s	service	s from	comm	nercial
	companies when necessary.					
	Systems are protected with highly secure mea	sures.	Only a	uthoris	ed pers	sonnel
	(academic/administrative) can access and make	data e	ntries o	or quer	ies acco	ording
	to their authority. The confidentiality and securi	ty of da	ata are	ensured	1.	
	Additional transactional requests are performed	only c	on appr	oval of	the De	an by
	giving authorisation within the content of the tra	insactio	on to be	made.	Transa	ctions
	are recorded in the system by keeping secure 'lo	g' files.	For ed	ucatior	n and tra	aining

	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. (1)
	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. (2)
	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 oncea year
	through annual evaluation and academic incentive practices. (3)
	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
	researchinformation 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 moreeffectively through this system. (4)
	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. (5)
	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.
	Appliance Record Control Management System: It is a system used to carry
	out the institution'stransfer and counting of all appliances. (6)
Evidence	https://uis.agu.edu.tr/buis/Login.aspx (1)
	https://agu.schoology.com/login?&school=49890877 (2)
	https://canvas.agu.edu.tr/login/canvas (2)

	https://avesis.agu.edu.tr/ (3)					
	https://bapsis.agu.edu.tr/Default2.aspx (4)					
	http://flns.agu.edu.tr/ (5)					
	https://www.kbs.gov.tr/gen/login.htm (6)					
	https://mys.hmb.gov.tr/login					
	https://muhasebat.hmb.gov.tr/kbs-uygulamalar					
	https://ebys.agu.edu.tr/enVision/Login.aspx					
	http://ekders.agu.edu.tr/					
	http://pbs.agu.edu.tr/login/auth					
A.3.2. Huma	n Resources Management	1	2	3	4	5
Comments	Human resources at L&NS consist of students,	academ	ic and	admini	strative	staff.
	(1)					
	In line with the mission and Vision of the AGU,	our faci	ıltv trie	es to rec	ruit au	alified
	human resources to ensure the sustainability of t		•		1	
						outrof
	Appointment and promotion of academics are ca			in the l	ramew	OFK OI
	objective criteria approved by the University Se	mate. (2	2)			
	Personnel assignments are managed according to					
	responsibilities of task authority are determine	-		U		
	personnel and their performance. Non- academ	ic staff	f are ex	perien	ced and	l have
	adequate training. (3)					
	For the development of academic human resou	urces a	nd post	gradua	te educ	ation,
	academicians are supported to participate in	n cong	gresses,	symp	osiums	, and
	seminars in their fields and to organise similar e	events h	nosted b	by the I	L&NS.	(4)
	Training is given for the purchased devices for the	ne acad	emic st	aff to u	se the s	pecial
	devices effectively and prevent damage. The o	compar	iy's pay	yments	are no	t paid
	before the training of the purchased device is co	mplete	d. (5)			
	Unit organisation charts were created within	the sco	ppe of	the int	ernal c	ontrol
	system of L&NS, and all administrative tasks		-			
	structure. (6)				0	
	Academic and non-academic staff who are succe	accful :	n thair	etudioe	are rou	arded
	with a certificate of appreciation and/or a plate.			stuules	arenew	aiueu
	At L&NS, practices are carried out following	ing det	fined v	workflo	ow pro	cesses

	according to human resources management. (7)								
Evidence	http://cd.agu.edu.tr/index.php/s/hj300RIzeyF7t6	R (1)							
	http://www.agu.edu.tr/userfiles//Yaz%C4%B1%	<u>520%C</u>	<u>4%B0</u> 9	<u>%C5%9</u>	9Fleri/2	<u>:021s</u>			
	enato31.pdf (2)								
	https://personel-								
	tr.agu.edu.tr/uploads/Y%C3%B6nergeler/AG%								
	K%20Y%C3%9CKSELT%C4%B0LME%20V	E%20A	ATANN	<u>/IA%2(</u>)Y%C3	<u>%96</u>			
	NERGES%C4%B0.pdf (2)								
	http://cd.agu.edu.tr/index.php/s/d46uNpTQE80	<u>iIpx (</u> :	<u>3)</u>						
	http://cd.agu.edu.tr/index.php/s/MCJ57BBFbXH http://cd.agu.edu.tr/index.php/s/s3295gWH4GiV								
	http://cd.agu.edu.tr/index.php/s/S7JXCzXRBIX	<u> (</u>	<u>5)</u>						
	http://cd.agu.edu.tr/index.php/s/T0K4cIRoL6PaLJd (5)								
	http://flns.agu.edu.tr/gorev_tanimlari (6)								
	http://www.agu.edu.tr/userfiles//1yasam/idari_te%C5%9Fkilat_%C5%9Femas%								
	<u>C4%B1.pdf (6)</u>								
	http://www.agu.edu.tr/userfiles//1yasam/akademik_te%C5%9Fkilat_%C5%9Fem								
	<u>as%C4%B1.pdf (6)</u>								
	http://cd.agu.edu.tr/index.php/s/69LfHgqwbCYdSgV (7)								
	http://flns.agu.edu.tr/isakisi (8)								
A.3.3. Finan	cial Management	1	2	3	4	5			
Comments	While using financial resources, the Faculty of L	life and	l Natura	al Scier	nces con	mplies			
	with Law No. 5018 on Public Financial Mana	gement	and C	ontrol	and the	e laws			
	governing the financial legislation such as the	Law c	on Publ	ic Proc	cureme	nt No.			
	4734, and accountability and financial transparency are always kept at the								
	forefront.								
	According to Article 11 of the Public Financial I	Manage	ement a	nd Cor	ntrol La	w No.			
	5018; "Top managers are responsible for the p	reparat	ion and	l imple	ementat	ion of			
	the strategic plans and budgets of their administ			-		-			
	plan, annual programs, the strategic plan and pe								
	service requirements, ensuring the effective, eco				-				
	and use of the resources under their responsibilities misuse. To the Minister for supervising and r	•	-						
	financial management and control system		•		-				
				0 110	2010				

A.3.4. Proce Comments
Evidence

Evidence	https://api.yokak.gov.tr/Storage/agu/2020/Proo	fFiles/A	Annex_	E.74_2	2017-					
	2020%20Faculty%20of%20Life%20and%20N	atural%	20Scie	nce%2	20Boar	<u>d%20</u>				
	Decisions.pdf									
	http://flns.agu.edu.tr/disiplinrehberi http://flns.agu.edu.tr/isakisi									
	http://flns.agu.edu.tr/hassasgorevler									
	http://www.agu.edu.tr/userfiles//1yasam/Biyom%C3%BChendislik_B%C3%B6l %C3%BCm%C3%BC.pdf http://www.agu.edu.tr/userfiles//yasam_doga_depo/MBG_KOMISYONLAR.pdf									
	http://www.agu.edu.tr/userfiles//Yaz%C4%B19	<u>%20%C</u>	C4%B0	<u>%C5%</u>	9Fleri/	ebysy				
	<u>onergesi.pdf</u>									
A.4. Stakeh	older Participation									
A.4.1 Interr	al and External Stakeholder Sngagement	1	2	3	4	5				
Comments				•	-	-				
Evidenec										
A.4.2 Stude	nt Feedback	1	2	3	4	5				
A.4.3 Alum	ni Relations Management	1	2	3	4	5				
Comments			-1							
Evidenec										
A.5. Stakeh	older Participation									
A.5.1 Mana	gement of Internationalization Processes	1	2	3	4	5				
Comments		l	1	1	1					
Evidenec										
Evidenec										

Comments						
Evidenec						
A.5.3 Interna	ationalization Performance	1	2	3	4	5
Comments						
Evidenec						

B. EDUCATION					
B.1. Design and Approval of Programs					
B.1.1. Design and Approval of Programs	1	2	3	4	5

Comments Undergraduate education in department of bioengineering started in 2018 fall semester with the approval of YÖK. 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 was evaluated in a wide range such as; its similarities and differences with other programs at the university, sustainability of the program, targeted student profile, department's focus areas, targeted learning outcomes, and the post-graduate employment of future graduates. After the design of the program was evaluated in all dimensions, it was proposed to the university senate. After the program had been approved by 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 open the previous departments. The program objectives and outputs of the department of bioengineering and the TYYC compatibility of the program are defined by considering the comprehensive field survey (National and international field scanning, YÖK Turkey Higher Education Qualifications Framework (TYYC) undergraduate education qualifications) and Bologna process undergraduate qualifications. The document containing the TYYÇ compliance of the department is available both on the department website and on the quality control system website of our university. In July 2022, the curriculum of the department was updated and approved by the Senate.

The Department of Molecular Biology and Genetics, which is actively continuing its undergraduate education in the Faculty of Life and Natural Sciences at Abdullah Gül University, was opened in 2016 with the approval of Council of Higher Education (CoHE), and the education program was prepared in accordance with the processes defined in our university, adhering to the principles and format determined by Council of Higher Education (CoHE). 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 evaluated with all its dimensions, it was presented to the university senate. After the approval of the senate, education and training have begun. 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 open the previous

	departments. The objectives and outcomes of M	Aolecu	ılar Bio	ologv a	nd Ge	netics				
	Department and compatibility of the progra									
	Framework have been defined by considering									
	(national and international field scanning, Nation		-			•				
	Higher Education in Turkey (NQF-HETR) and qualifications of Bologna Process.									
	The document containing the (NQF-HETR) compliance of the department is									
	available both on the department website and on the quality control system website									
	of our university.									
Evidence	https://bioeng.agu.edu.tr/kalite									
	https://bioeng.agu.edu.tr/tyyc									
	http://kalite.agu.edu.tr/lisans_qual									
	https://mbg.agu.edu.tr/bologna									
	https://mbg.agu.edu.tr/uploads/formlar/MBG_Un	dergra	<u>id_TR.</u>	<u>odf</u>						
	https://mbg.agu.edu.tr/kalitehttps://bioeng.agu.ed	u.tr/ka	<u>llite</u>							
B.1.2. Cours	e distribution balance of the program	1	2	3	4	5				
Comments	The principles, rules and methods regarding the course distribution of the program are defined. The curriculum structure defines 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 are arranged in such a way 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 re		mprove	ements	are ma	-				
Evidence			mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re		mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re https://bioeng.agu.edu.tr/ders-plani-lisans		mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re <u>https://bioeng.agu.edu.tr/ders-plani-lisans</u> <u>Biyomühendislik bölümü program bilgileri</u>		mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re <u>https://bioeng.agu.edu.tr/ders-plani-lisans</u> <u>Biyomühendislik bölümü program bilgileri</u> <u>Biyomühendislik bölümü ders müfredatı</u>		mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re <u>https://bioeng.agu.edu.tr/ders-plani-lisans</u> <u>Biyomühendislik bölümü program bilgileri</u> <u>Biyomühendislik bölümü ders müfredatı</u> <u>Biyomühendislik bölümü ders içerikleri</u>		mprove	ements	are ma	-				
Evidence	developed within this scope are monitored and re <u>https://bioeng.agu.edu.tr/ders-plani-lisans</u> <u>Biyomühendislik bölümü program bilgileri</u> <u>Biyomühendislik bölümü ders müfredatı</u> <u>Biyomühendislik bölümü ders içerikleri</u> <u>https://mbg.agu.edu.tr/mbg-program-bilgileri</u>		mprove	ements	are ma	-				

Outcomes										
Comments	Tables indicating the course codes, syllabuses, lecture days and classrooms 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 section, as in all departments, are available on our department website.									
Evidence	https://bioeng.agu.edu.tr/ders_izlenceleri https://bioeng.agu.edu.tr/kalite https://mbg.agu.edu.tr/kalite https://mbg.agu.edu.tr/ders-izlenceleri									
B.1.4. Cours	e Design Based on Student Workload	1	2	3	4	5				
Comments	The ECTS value of all courses is shared on the workload tracking. There are practical learning professions, and sufficient student workload and	opport credits	unities are cor	for intensidered	ernship 1. The r	os and nature				
	of the implementation is examined. The diver education is also considered in the design based of In 2022, AGU Education Information Syst launched, and all ECTS, and course information webpage.	on stud em (<u>h</u>	ent wo <u>ttps://c</u>	orkload. at.agu.e	<u>edu.tr/</u>)	was				
Evidence	education is also considered in the design based In 2022, AGU Education Information Syst launched, and all ECTS, and course information	on stud em (<u>h</u> were u <u>g=en-</u> amId=5	ent wo ttps://c uploade	nenuTy	edu.tr/) orrespo	was nding				
	education is also considered in the design based of In 2022, AGU Education Information Syste launched, and all ECTS, and course information webpage. Biyomühendislik bölümü program bilgileri https://cat.agu.edu.tr/Pages/CoursePlan.aspx?lan US&academicYear=2021&facultyId=38&progra	on stud em (<u>h</u> were u <u>g=en-</u> amId=5	ent wo ttps://c uploade	nenuTy	edu.tr/) orrespo	was nding				
	education is also considered in the design based of In 2022, AGU Education Information Syste launched, and all ECTS, and course information webpage. Biyomühendislik bölümü program bilgileri https://cat.agu.edu.tr/Pages/CoursePlan.aspx?lan US&academicYear=2021&facultyId=38&progra https://mbg.agu.edu.tr/uploads/formlar/MBG_Ur	on stud em (<u>h</u> were u <u>g=en-</u> amId=5 ndergra 1 utcomes comes v	ent wo ttps://c uploade 3036&r $d_TR.$ 2 s, with with th	nenuTy pdf 3 in the s	edu.tr/) prrespo /pe=un 4 scope o es was	was nding <u>it</u> 5 of the				
B.1.5. Monit	education is also considered in the design based of In 2022, AGU Education Information Syste launched, and all ECTS, and course information webpage. Biyomühendislik bölümü program bilgileri https://cat.agu.edu.tr/Pages/CoursePlan.aspx?lan US&academicYear=2021&facultyId=38&progra https://mbg.agu.edu.tr/uploads/formlar/MBG_Ur oring and Updating Programs In order to monitor and update the program out quality process, the matching of the program out	on stud em (<u>h</u> were u <u>g=en-</u> amId=5 ndergra 1 utcomes comes v	ent wo ttps://c uploade 3036&r $d_TR.$ 2 s, with with th	nenuTy pdf 3 in the s	edu.tr/) prrespo /pe=un 4 scope o es was	was nding <u>it</u> 5 of the				

Comments	The Education Committee of AGU holds regular weekly meetings to discuss student and instructor feedback, share good-case examples, develop policies, and coordinate education methodologies and facilities. Committee regularly monitors University Information Services (UIS), Canvas and Schoology Learning Management Systems, and course deliveries to guarantee learner centered high- quality and high-performance education. In addition to the Education Committee, the university assigned an Advisor for Rector for Accreditation to manage and coordinate accreditation processes in all programs. Canvas is extensively used by the faculty members and instructors to announce and follow course works while delivering the courses in faculties and prep program.								
Evidence	https://canvas.agu.edu.tr/login/canvas https://uis.agu.edu.tr/buis/Login.aspx								
B.2. Executio	on of the Programs								
		1	2	3	4	5			
Comments	In order for the university to make student-centered learning, teaching and evaluation, organization are carried out by the education committee of the university, primarily under the leadership of the Vice Rector in charge with education. At the beginning of each semester, informative meetings are held on for faculty members concerning how to design a learner-centered course. During the online education process, a series of training programs were organized for instructors by the Center for Enhancement of Learning and Teaching (CELT) unit of our university in order to apply active learning principles and to 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 30 percent of the courses (theoretical, practical, etc.). Due to the nature of our department, laboratory courses are conducted face to face.								
Evidenec	UIS course lists (<u>https://uis.agu.edu.tr/buis/Login</u>	<u>1.aspx</u>)							
	http://celt.agu.edu.tr/			1					
B.2.2. Measu	rement and Evaluation	1	2	3	4	5			

Comments	In our departments, students are evaluated regularly and their success is followed up seriously. In order to calculate the course load required to determine the ECTS credits of the courses, the necessary information is given to the education committee and is planned within the department as required. Our departments 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 report are applied in the program.						
	Course-based assessment methods are designed and implemented in detail to measure the achievement of the targeted learning outcomes. Measurement and evaluation criteria are clearly stated for both laboratory courses and theoretical courses in the syllabus.						
Evidence	Biyomühendislik bölümü program bilgileri 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://mbg.agu.edu.tr/mbg-program-bilgileri						
B.2.3. Studer of Prior Lea	nt Admission and Recognition and Crediting 1 2 3 4 5 rning						
Comments	National and international student quotas are suggested by the department to the faculty, and forwarded to the Senate by the Faculty Board. After approval, it is proposed 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 using 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 well	nsite of	F YÖK	and th	e Univ	ersity
	before the applications.					
	All students starting at our university can certify		•	-	-	•
	taking exams conducted by our language sci					
	Accordingly, they have the chance to skip the p	-	•			-
	from the first English lesson given in the first ye				• •	•
	will join after determining the level they will cor	itinue i	n the p	reparat	ory clas	ss.
Evidence	Regulation on the Principles of Transfer betweer	n Assoc	ciate De	egree a	nd	
	Undergraduate Degree Programs in Higher Educ	ation I	nstitutio	ons, Do	ouble M	lajor,
	Minor and Inter-Institutional Credit Transfer					
	Abdullah Gül University Undergraduate Educati	on and	Evomi	nation	Dogula	tion
	Abdullari Gur Oniversity Ondergraduate Educati		Exam	nation	Kegula	
B.2.4. The C	ertification of Qualifications and the Diploma	1	2	3	4	5
Comments	Students are subject to the University Un	dergrad	luate 1	Educati	on Po	licies
	(http://www.agu.edu.tr/userfiles//21_Aral%C4%	- <u>B1k_L</u>	<u>%C4%</u>	BOSA	<u>NS_Y%</u>	5 <u>C3</u>
	<u>%B6netmeli%C4%9Fi.pdf</u>), which includes the e	exams,	assessr	nent an	d gradu	ation
	conditions determined by our university for unde	ergradu	ate stud	dents.		
Evidence	http://oidb.agu.edu.tr/yonetmelikler					
B.3 Learning	g Sources and Academic Support Services					
B.3.1. Learn	ing Environment and Resources	1	2	3	4	5
Comments	Especially classrooms and well-equipped labor	oratorie	es are	for bio	bengine	ering
	students are available. Our students benefit fron	n the co	ommon	learni	ng reso	urces
	(e.g computer facilities, libraries, sport center etc	c.) of th	e unive	ersity.		
	Classroom, library, computer facilities, socia	al. cul	tural.	sportiv	e activ	vities.
	infrastructures, dining hall, Student-oriented sof					
	available in AGU. Applications such as Guidance					•
	Factory, etc. are provided by the responsible un					
	MBG students benefit from the resources provide					
Evidence	Not applicable					
B.3.2. Acade	mic Support Services	1	2	3	4	5
				1		

Comments	In our BENG, academic advisory services at the undergraduate level are generally carried out face-to-face by faculty members. All students are assigned an academic advisor, who is a faculty member in the department, by the head of the department. Advisors are responsible for helping students on various issues, such as adjustment to university life, academic guidance, and career planning. Besides, the commission members of bioengineering department guide the students according to their needs (internship etc.). In MBG department, academic consultancy at the undergraduate level is generally conducted face-to-face by faculty members. Currently, due to the COVID-19 pandemic, this part is carried out by our faculty members online. An academic advisor is appointed by the department head among full-time faculty members and staff for each student enrolled in the undergraduate program (starting from the preparatory education).						
Evidence	http://oidb.agu.edu.tr/yonetmelikler		[
B.3.4. Disady	vantaged Groups	1	2	3	4	5	
Comments	In our department there is no special plan or procedure for disadvantaged groups. However, at AGU, an Accessible Unit Coordinator exists to provide counseling programs on effective communication skills, coping with difficulties, gaining social skills, and career support for students with disabilities. Facilities and infrastructures (dining hall, dormitory, technology-equipped study areas; health, transportation, information services, distance education infrastructure) are available in appropriate quality and quantity, accessible and available to students' information/use. There are special applications available for the requirements of people with disabilities in our campus.						
Evidence	Not applicable.						
B.3.5. Social	, Cultural and Sportive Activities	1	2	3	4	5	
Comments	In BENG department there is no special plan an and sportive activities. However, a common cour was designed						
	Appropriate place, space, budget, and guidance communities for their social, cultural and sports		-				

Evidence	administrative organization that carries out and n activities. The activities carried out are monitoren needs. Specific to the MBG department, a student club department and other students related to the (AGUBIOGEN) Not applicable.	ed and is avail	develo	ped in here stu	line wi	th the of the
B.4. Teachin	g Staff					
B.4.1. Appoi	ntment, Promotion and Assignment Criteria	1	2	3	4	5
Comments	The required positions in the departments are reported to the Rector's Office through the Faculty, by evaluating the number of students, teaching quality, and research opportunities. For the positions which found appropriate by the Rector's Office, a suitable position is requested from the Council of Higher Education. In our department, the lack of lecturers and/or the need for the necessary lecturer in the relevant field are met firstly from MBG department and then from other departments within our university. Assignment criteria were revised for faculty members in 2021.					v, and ector's on. In rer in other
Evidence	http://www.agu.edu.tr/userfiles//Personel%20Da mik_Yükseltilme_ve_Atan.pdf	ire%20)Başkaı	nlığı/A	<u>GÜ_Al</u>	<u>cade</u>
B.4.2. Teach	ing Competencies and Development	1	2	3	4	5
Comments	Although there is no special application for our de throughout our institution, in the middle of th semester, in which faculty members can inter- models, and practices are carried out in line with There are no incentives or rewards for education however, on the basis of our faculty, the scien- members (number of publications, number of pr- faculty member/members who have the highest by 2021 are determined.	e seme nalize these tr onal act tific ac ojects,	ester of especia raining tivities hieven etc.) an	r at the ally act s in our in our nents of re follo	e end o ive lea depart depart f the fa wed, ar	of the urning ment. ment; aculty ad the
Evidence	Not applicable.					

B.5. Learning Resources					
Comments	Especially classrooms and well-equipped laboratories are for bioengineering students are available. Our students benefit from the common learning resources (e.g computer facilities, libraries, sport center etc.) of the university.				
Evidence					

C. RESEARCH and DEVELOPMENT								
C.1. Management of Research Processes and Research Resources								
C.1.1. Mana	gement of Research Processes	1	2	3	4	5		
Comments	As Bioengineering Department, we manage our research activities in a way that are compatible with the academic priorities determined within the framework of Life and Natural Science Faculty's strategic plan and local, regional and national development goals, generating value and transforming it into social benefit. One of the priority areas of Bioengineering Department is the field of "health and biotechnology". All of the scientific studies carried out in our department are compatible with this field and produce academic output. Research and development outputs of our department has been tracked and improved by the department chair, together with the Dean of faculty. The Dean of Faculty meets regularly with the faculty members at certain intervals and work on the management and improvement of research and development processes.							
Evidence	Life and Natural Sciences Faculty's Strategic Pla http://www.agu.edu.tr/userfiles//1yasam/BirimSt			.pdf				
C.1.2 Intern	al and External Sources	1	2	3	4	5		
Comments						n and 'Rare plans / and culty TAK , a B (ealth		

	total income from external sources of our de approximately 2,5 million Turkish Lira.	partme	nt has	been i	increase	ed to
	In addition, there are three thematic laboratories in the Central Research					earch
	Laboratory of AGU related to our departme				-	
	activities. These are the cell biology laboratory, characterisation laboratory, and the confoc			1		
	laboratories are open to our faculty members				•	
	laboratories are structured to be used effectively	for ind	ustry co	ollabora	ations.	
Evidence	https://bioeng.agu.edu.tr/yayinlar-ve-projeler					
	http://isoglulab.com/					
	https://www.ortakcilab.com/					
	http://www.kaplanlab.com/index.html					
	http://merlab.agu.edu.tr/hucre-biyolojisi-lab					
	http://merlab.agu.edu.tr/biyomolekuler-uretim-la	<u>b</u>				
	http://merlab.agu.edu.tr/konfokal-goruntuleme-lab					
	https://mbg.agu.edu.tr/laboratuvarlar					
C.1.3. PhD I	rograms and Post-doc Facilities	1	2	3	4	5
Comments	The application processes of PhD programs, the	number	of regi	stered	student	s and
	graduates, and the development trends are moni		-			
	Engineering and Science. The faculty memb contribute to the Bioengineering Master of Scien			-		rectly
Evidence	http://fbe.agu.edu.tr					
	http://fbe.agu.edu.tr/bioengineering					
C.2. Manage	ement of Research Processes and Research Reso	ources				
C.2.1. Comp	etence and Development of the Research	1	2	3	4	5
Comments	The head of department meets at regular interv	als to	evalua	te and	develo	p the
	research competence of the faculty member of Bi	-	-	-		
	situation is assessed. According to the decisions meetings, necessary precautions are taken. Depa					
1	meetings, necessary precautions are taken. Depa		monnu	no uic	appiloa	

	to improve the research competence and evaluat members.	tes the	obtaine	ed data	with fa	culty
Evidence	https://zoom.us/j/93627812980?pwd=cHBCR1VMRXpnREV6N2RXQnhDTh UT09					<u> Fkxu</u>
C.2.2. Nation	al and International Joint Programs and	1	2	3	4	5
Joint Resear	ch Units					
Comments	Our department supports all initiative and application approaches for national and international joint programs. With the other units of the Faculty and University, our department welcomes all plans and processes related to participating in networks and establishing research collaborations					
Evidence	Not applicable					
C.3. Researc	h Performance .					
	mance Evaluation of Faculty Members of ng Department	1	2	3	4	5
Comments	ring Department 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 department contributes with its credentials and outputs to the process. One of the priority areas of AGU MBG department is the field of "human health". All of the scientific studies carried out in our department are compatible with this field and produce academic output. 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					
Evidence	Not applicable					

C.3.2. Performance Evaluation of Faculty Members of	1	2	3	4	5
Bioengineering Department					

CommentsThe University administration requests an annual report from the faculty members
to improve research competence. Besides, our department periodically informs the
Faculty 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.

Research topics of Molecular Biology and Genetics Department can be classified as cancer, genetic diseases, organoids and drug metabolism, proteomics, immunology and biochemistry. Human-based genetic mechanisms are studied in the Department of Molecular Biology and Genetics. There are a total of 4 projects in TÜBİTAK programs such as 1001 and 1005, which our professors in the department specified within the scope of research activities will be implementing in 2022. In addition, they take part as the coordinator in 2 nationally funded projects (Turkish Society of Hematology and TÜSEB A group project). In addition, there are 3 projects in 1002 TUBITAK programs. Thus, there are a total of 9 projects carried out by the faculty members of our department.

In addition, there are a total of 3 TÜBİTAK and nationally sourced (ERÜ BAP) projects in which they are involved as researchers. In these projects, our graduate and doctoral students do their research, and our undergraduate students are involved in research projects and gain experience. Our undergraduate students, who are in their senior year, carry out their graduation thesis courses by carrying out their projects in our research laboratories. Three undergraduate students were supported within the scope of STAR intern researcher scholarship program for undergraduate students supported by TUBITAK. Our department has provided both our students and other university students with the opportunity to do their internships. In 2022, a total of 16 articles were published in national and international journals by the faculty members of our department.

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

 C3%B6revlisi_Faaliyet_Rap.pdf

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

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

D. SOCIAL CONTRIBUTION

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

2 5 **D.1.1. Management of Social Contribution Processes** 1 3 4 **Comments** 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. Academicians 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. All of these activities are related to SDG 3. In line with social contribution activities in our department, activities such as research projects, academic articles, participation in congresses and awareness-raising seminars were carried out on topics such as understanding the molecular mechanism of the diseases, developing drugs and innovative treatment methods that can be used in the treatment of communicable and non-communicable diseases, all of which are mentioned in SDG 3. The authorities and responsibilities are determined, and studies are carried out, in order for social contribution activities to produce value and turn them into social benefit in accordance with the social contribution policy. The results of the practices are monitored, and improvements are made by evaluating the follow-up results. **Evidence** Not applicable.

	The results related to the management of social operability of the organizational structure in the in		1	
Evidence	Congress and conference attendances:			

D.2.1. Management of Social Contribution Processes

1

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3

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İsmail Akçok, 5th International Eurasian Conference of Biological and Chemical Sciences, <u>https://www.eurasianbiochem.org</u>

Özkan Fidan, III. International Enzyme and Bioprocess Days, <u>https://www.ebdays.org/page/programme</u>

Oktay İ. Kaplan, 5th European Cilia conference, <u>https://www.cilia2022.de</u> İsmail Akçok, 10th International Drug Chemistry Congress, March 10-13 2022, Antalya/Türkiye, <u>http://www.ilac.kongresi.org</u>

Seminars:

Oktay I. Kaplan gave a seminar on 'CRISPR Cas9 Technology', which can be used in important health applications such as gene therapy, with the AGGA invitation of Sapiens Academy from Azerbaijan.

https://aguedutrmy.sharepoint.com/:i:/g/personal/ozkan_fidan_agu_edu_tr/EVyI CQngeglHg_YLlQgu12IBIff-1011fJgcj7e6yXcVsw?e=zKfO2z

Oktay I. Kaplan gave a seminar titled 'A new era in the fight against rare diseases' as part of our university's 'Public education seminar series'.

https://www.youtube.com/watch?v=qydEocodMEs&ab_channel=AbdullahG%C <u>3%BCl%C3%9Cniversitesi</u>

Application of -OMICS technologies in Reproductive Medicine. Necati Fındıklı. 25.03.2022. Online.

Host, Pathogen, and Environment: Interactions and Disease Development. Dr. Mahmoud Aly. 11.05.2022

Workshops:

Oktay I. Kaplan held a workshop for high school students on 'CRISPR Cas9 Technology', which will play an important role in the treatment of some communicable and non-communicable diseases within the scope of SDG 3, such as gene therapy.

New courses:

Our department faculty members Oktay Kaplan and Özkan Fidan offered a GLB course, which includes many topics related to SDG 3 and to increase the awareness of students from different departments on these issues.

Projects:

Production of High Value Added Carotenoids in Engineered Microorganisms and Investigation of Antiviral Properties against Hepatitis C Virus, Tübitak 3501, PI: Özkan Fidan.

- PATL1 Geninin Meyve Sineği ve C. Elegans Modellerinde Hastalık Geni Olarak Doğrulanması ve Nöronlardaki Etkileşim Partnerlerinin BioID Yöntemiyle Tanımlanması TÜBİTAK Projesi Kaplan O. İ., Çelik Fuss A.(Yürütücü)
- Meme Kanserinin Tedavisine Yönelik Çok Fonksiyonlu, Hedeflenmiş, Özgün Nanotaşıyıcıların Geliştirilmesi, In Vitro Ve In Vivo Etkinliklerinin IncelenmesiSürdürülebilir Kalkınma TÜBİTAK Projesi Dinçer Işoğlu S. (Yürütücü)
- Fıtık Tedavisinde Kullanılmak Üzere Çift Katmanlı Bir Yamanın Geliştirilmesi ve Etkilerinin In Vitro ve In Vivo Olarak İncelenmesiSürdürülebilir Kalkınma Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Projesi İşoğlu İ. A. (Yürütücü)
- Çift Katmanlı Yeni Nesil Bir Kardiyak Yamanın Geliştirilmesi ve Miyokart Hasarlarının Tedavisine Yönelik In Vivo Etkinliğinin İncelenmesiSürdürülebilir Kalkınma TÜBİTAK Projesi İşoğlu İ. A. (Yürütücü)
- Tay-Sachs Hastalığında Mirna'Ların Lizozomal Ekzositoz'Un Düzenlenmesindeki Biyolojik Rolünün Araştırılması TÜBİTAK Projesi Seyrantepe V.(Yürütücü), Saçar Demirci M. D., Demir S. A.

Articles:

BAYRAM, N. N., TOPUZOĞULLARI, M., İŞOĞLU, İ. A., & DİNÇER İŞOĞLU, S., (2022). RAFT-synthesized POEGMA-b-P4VP block copolymers: preparation of nanosized micelles for anticancer drug release. *POLYMER BULLETIN*, vol.79, no.11, 9575-9588

Cicek E, Kucuktas FM, Yenigul M, Gencer Akcok EB. Cytotoxic and cytostatic effects of targeting mTOR and Hedgehog pathways in acute myeloid leukemia. Experimed. 2022. doi: 10.26650/experimed.1193721.

Differential in vitro anti-leukemic activity of resveratrol combined with serine palmitoyltransferase inhibitor myriocin in FMS-like tyrosine kinase 3-internal

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variants from non-human species. Nucleic Acids Res. 2022 Jan 7;50(D1):D1172-D1178. doi: 10.1093/nar/gkab939. PMID: 34718716; PMCID: PMC8728286.

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	Lactiplantibacillus plantarum DY46 strain iso fermented shalgam beverage. Food Bioscience					c acid
D.1.2. Resou	rces	1	2	3	4	5
Comments	Our department has plans for the preparation of appropriate resources for the contribution to departmental societal impact. In order to contribute to the society, the physical infrastructure of the university is used for congresses, workshops, and career workshops planned for high school students. All technical support is provided by the institution. Financial requirements are determined by the institution.					
Evidence	 Projects: Production of High Value Added Carotenoids in Engineered Microorganisms and Investigation of Antiviral Properties against Hepatitis C Virus, Tübitak 3501, PI: Özkan Fidan. PATL1 Geninin Meyve Sineği ve C. Elegans Modellerinde Hastalık Geni Olarak Doğrulanması ve Nöronlardaki Etkileşim Partnerlerinin BioID Yöntemiyle Tanımlanması TÜBİTAK Projesi Kaplan O. İ., Çelik Fuss A.(Yürütücü) Meme Kanserinin Tedavisine Yönelik Çok Fonksiyonlu, Hedeflenmiş, Özgün Nanotaşıyıcıların Geliştirilmesi, In Vitro Ve In Vivo Etkinliklerinin IncelenmesiSürdürülebilir Kalkınma TÜBİTAK Projesi Dinçer Işoğlu S. 					
	 Fıtık Tedavisinde Kullanılmak Üzere Çift Katma Etkilerinin In Vitro ve In Vivo Olarak İnce Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Çift Katmanlı Yeni Nesil Bir Kardiyak Yam Hasarlarının Tedavisine Yönelik In Vivo Etkin Kalkınma TÜBİTAK Projesi İşoğlu İ. A. (Yürü Tay-Sachs Hastalığında Mirna'Ların Lizozomal I Biyolojik Rolünün Araştırılması TÜBİTAK F Saçar Demirci M. D., Demir S. A. 	elenmes) Projes anın C liğinin ütücü) Ekzosit	siSürdü si İşoğlı Geliştiril İncelen toz'Un I	rülebili u İ. A. mesi v umesiS Düzenle	ir Kall (Yürüt ve Miy ürdürü enmesi	kınma ücü) yokart lebilir indeki

Syk Kinaz Proteininin SH2 Domainlerinin Hedeflenmesi ve Bu Hedeflenmenin In
Vitro Olarak İncelenmesi, TÜSEB A grubu, 2022 - Devam ediyor, Yürütücü:
Emel Başak GENCER AKÇOK.
Bardet-Biedl Sendromu Proteinlerinin Silya Girişindeki Rolünün Araştırılması,
TÜBİTAK 1002 (621638), Yürütücü: Sebiha ÇEVİK KAPLAN.
Multipl Skleroz ve Bilişsel Bozukluklar İçin Nöroenflamasyon Üzerine Çoklu
Hedefleme: Siproksifan ve Fingolimod Bazlı Hibrit Türevlerinin Tasarımı,
Sentezi ve Beyin Organoidlerinde Biyoaktivitelerinin Belirlenmesi, TÜBİTAK
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PI3K-AKT-mTOR Yolağı 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.
Biyoaktivitesi Geliştirilmiş Şeker Pancarı Yaprağı Protein Hidrolizatlarının Çift
Katlı Emülsiyon İle Mikroenkapsülasyonu, TÜBİTAK-3501, 2021- 2024,
Araştırmacı: Aysun ADAN.

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 institutionalize 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 withDistance 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 finalizing 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.
- 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, AVESIS, BAPSIS) 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.