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Sulkhani Saba Orbeliani University Library

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- The Pierre Dumoulin Reading Room
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# Activity And Function



- University >
- Personnel >
- Center For Continious Professional Development >
- Library >

LIBRARY  
ABOUT US • LIBRARY

Activity and Function

Services

E-Catalogue

Scientific Bases

Useful links



University >

Personnel >

Center For Continious Professional Development >

Library >

Activity And Function

Services

E-Catalogue

Scientific Bases

Useful Links

Activity and Function

Services

E-Catalogue

Scientific Bases

Useful links

# Library Services

The screenshot displays the website header and a navigation menu. The header includes a video gallery icon, the email address info@sabauni.edu.ge, social media icons for Facebook, YouTube, and Instagram, language options for EN and GE, and a yellow Log in button. The navigation menu lists: ABOUT US, FOR ENTRANTS, FOR STUDENTS, FACULTIES, INTERNATIONALIZATION, RESEARCH, and COVID-19. A search icon is also present. The Library menu is expanded, showing sub-items: Activity And Function, Services (highlighted in orange), E-Catalogue, Scientific Bases, and Useful Links. A yellow arrow points to the Services item. Below the menu, five buttons are visible: Activity and Function, Services, E-Catalogue, Scientific Bases, and Useful links.

# Services

- Interlibrary cooperation service
- Ask the Librarian
- Consultation meetings
- New Books
- book reservation
- Instructions for reserving workspace for group work

# E-Catalogue

The image shows a screenshot of the Sulkhan-Saba Orbelliani University website. At the top, there is a dark blue header with navigation links: "Video gallery", "info@sabauni.edu.ge", and social media icons for Facebook, YouTube, and Instagram. On the right side of the header, there are language options "EN" and "GE", and a yellow "Log in" button.

Below the header is a white navigation bar containing the university logo and a list of menu items: "ABOUT US", "FOR ENTRANTS", "FOR STUDENTS", "FACULTIES", "INTERNATIONALIZATION", "RESEARCH", and "COVID-19". A search icon is located on the right side of this bar.

The main content area features a large banner image of a university building. A dropdown menu is open from the "Library" link in the navigation bar. The menu items are: "University", "Personnel", "Center For Continious Professional Development", and "Library". The "Library" item has a sub-menu open, listing: "Activity And Function", "Services", "E-Catalogue" (highlighted in orange), "Scientific Bases", and "Useful Links".

Below the banner, there are five grey rectangular boxes representing the main content areas: "Activity and Function", "Services", "E-Catalogue", "Scientific Bases", and "Useful links". A blue arrow points from the "Library" menu item to the "E-Catalogue" box, and an orange arrow points from the "E-Catalogue" menu item to the "E-Catalogue" box.

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**Search results:**

1	<b>title:</b> <a href="#">A Back and Forth Between Tourism and Health</a> <b>Subtitle:</b> From Medical Tourism to Global Health <b>Author:</b> Sebastien Fleuret <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 61 <b>Specimen barcode :</b> CD-3553 <b>Condition :</b> in the fund
2	<b>title:</b> <a href="#">A Medical History of Humanity from Antiquity to the Present</a> <b>Subtitle:</b> The Greatest Benefit To Mankind <b>Author:</b> Porter, Roy <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 61 <b>Copy barcode :</b> CD-109 <b>Condition :</b> in the fund
3	<b>title:</b> <a href="#">Adams and Victor's Principles of Neurology</a> <b>Subtitle:</b> <b>Author:</b> Ropper, A., Samuels, M., Klein, J., Prasad, S. <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 61 <b>Copy barcode :</b> CD-54 <b>Condition :</b> in the fund
4	<b>title:</b> <a href="#">Atlas of Operative Procedures in Surgical Oncology</a> <b>Subtitle:</b> <b>Author:</b> Constantine P. Karakousis <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 61 <b>Copy barcode :</b> CD-3501 <b>Condition :</b> in the fund
5	<b>title:</b> <a href="#">Bailey &amp; Love's Short Practice of Surgery</a> <b>Subtitle:</b> <b>Author:</b> Norman S. Williams, Ronan O'Connell, Andrew W. McCaskie <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 61 <b>Copy barcode :</b> CD-66 <b>Condition :</b> in the fund
6	<b>title:</b> <a href="#">Basic and Clinical Pharmacology</a> <b>Subtitle:</b> <b>Author:</b> Bertram G. Katzung, Susan B. Masters, Anthony J. Trevor,

48	<b>title:</b> <a href="#">Grainger &amp; Allison's Diagnostic Radiology: Volume One</a> <b>Subtitle:</b> A Textbook of medical imaging <b>Author:</b> <b>Material:</b> book <b>Collection:</b> Basic fund <b>number:</b> 615.849(075.8) G-71 <b>Copy barcode :</b> 17748 <b>Condition :</b> in the fund
49	<b>title:</b> <a href="#">Grainger &amp; Allison's Diagnostic Radiology: Volume Two</a> <b>Subtitle:</b> A Textbook of medical imaging <b>Author:</b> <b>Material:</b> book <b>Collection:</b> Basic fund <b>number:</b> 615.849(075.8) G-71 <b>Copy barcode :</b> 17749 <b>Condition :</b> in the fund
50	<b>title:</b> <a href="#">Grainger &amp; Allison's Diagnostic Radiology, A Textbook of Medical Imaging. 1-2 volumes</a> <b>Subtitle:</b> <b>Author:</b> Andreas Adam, Adrian K. Dixon, Jonathan H. Gillard, Cornelia M. Schaefer-Prokop <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 615.849(075.8) G-71 <b>Copy barcode :</b> CD-57 <b>Condition :</b> in the fund
51	<b>title:</b> <a href="#">Gray's Anatomy for students</a> <b>Subtitle:</b> <b>Author:</b> Drake, Richard L., Vogl, Wayne A., Mitchell, Adam WM <b>Material:</b> site <b>Collection:</b> disks <b>number:</b> 611.8(075.8) G-76 <b>Copy barcode :</b> CD-44 <b>Condition :</b> in the fund
52	<b>title:</b> <a href="#">Gray's Anatomy for students</a> <b>Subtitle:</b> <b>Author:</b> Drake, Richard L., Vogl, Wayne A., Mitchell, Adam WM <b>Material:</b> book <b>Collection:</b> Basic fund <b>number:</b> 611.8(075.8) G-76 <b>Copy barcode :</b> 17739 <b>Condition :</b> in the fund

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Bibliographic information:	
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Collection:	disks
Storage password:	61:575(075.8) c-74
title:	Concepts of Genetics
Subheading - information on the heading:	
Author:	Klug S. William, Cummings, R. Michael, Spencer, A. Charlotte, Palladino, A. Michael, Killian, J. Darrell
Information about the persons responsible for the material:	
e-mail Display in the catalog:	Yes

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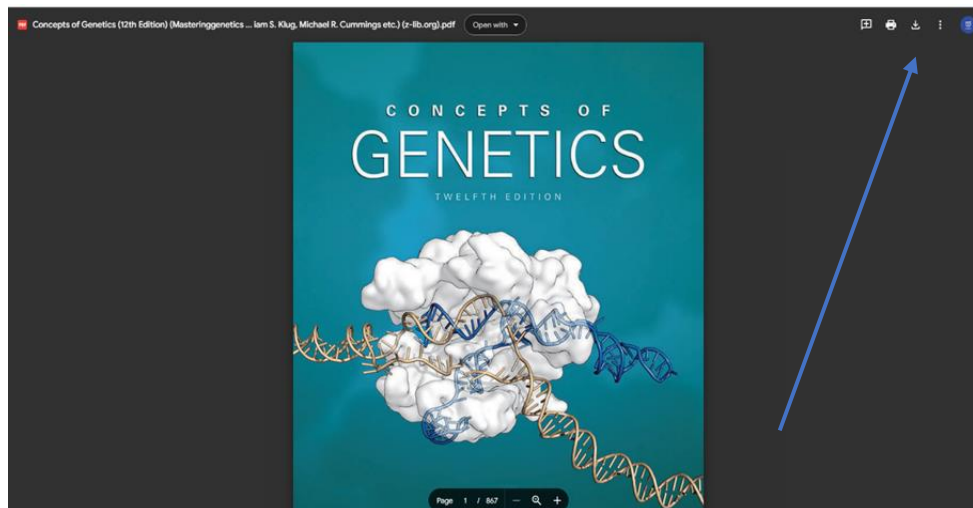
barcode	Description	condition	I am standing	Date was returned
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Additional bibliographic information:	
Topic or geographical name as a subject heading:	Medicine
Publication notice:	Twelfth Edition
Name of publisher:	Pearson
Date of publication:	2019
Material size - p.:	867 p.
URL - Internet address:	<a href="https://drive.google.com/file/d/12XTMJNMhrqZ1DMV45Vse0D6Lsz0RQ_2Z/view?usp=sharing">drive.google.com/file/d/12XTMJNMhrqZ1DMV45Vse0D6Lsz0RQ_2Z/view?usp=sharing</a>

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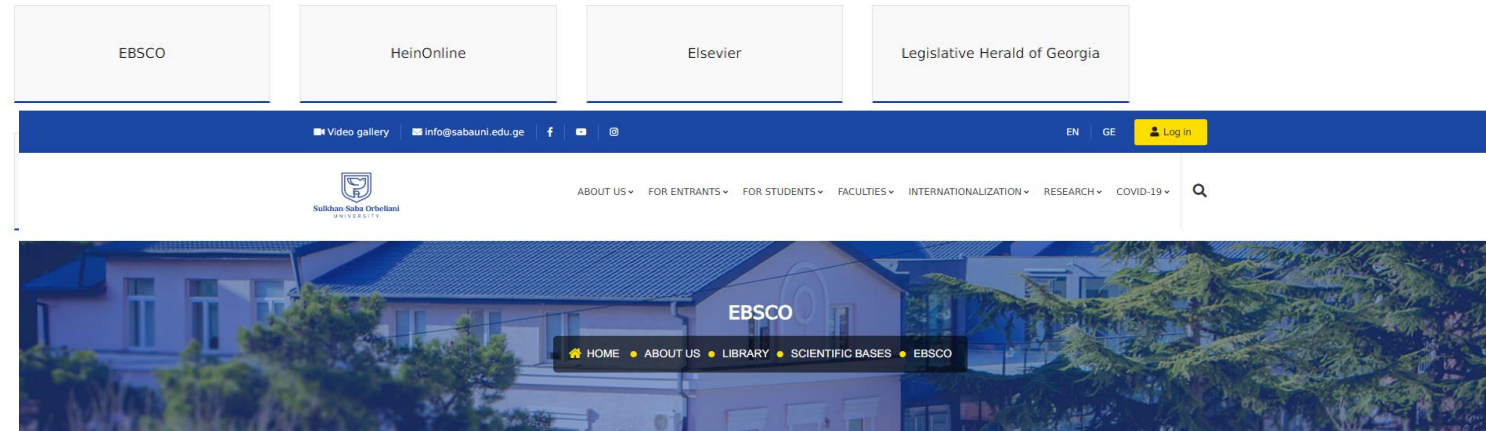
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Below the navigation menu, there are five light gray rectangular boxes representing the content areas: "Activity and Function", "Services", "E-Catalogue", "Scientific Bases", and "Useful links". Blue arrows point from the "Library" menu item to the "Library" sub-menu, and from the "Scientific Bases" sub-menu item to the "Scientific Bases" content box.



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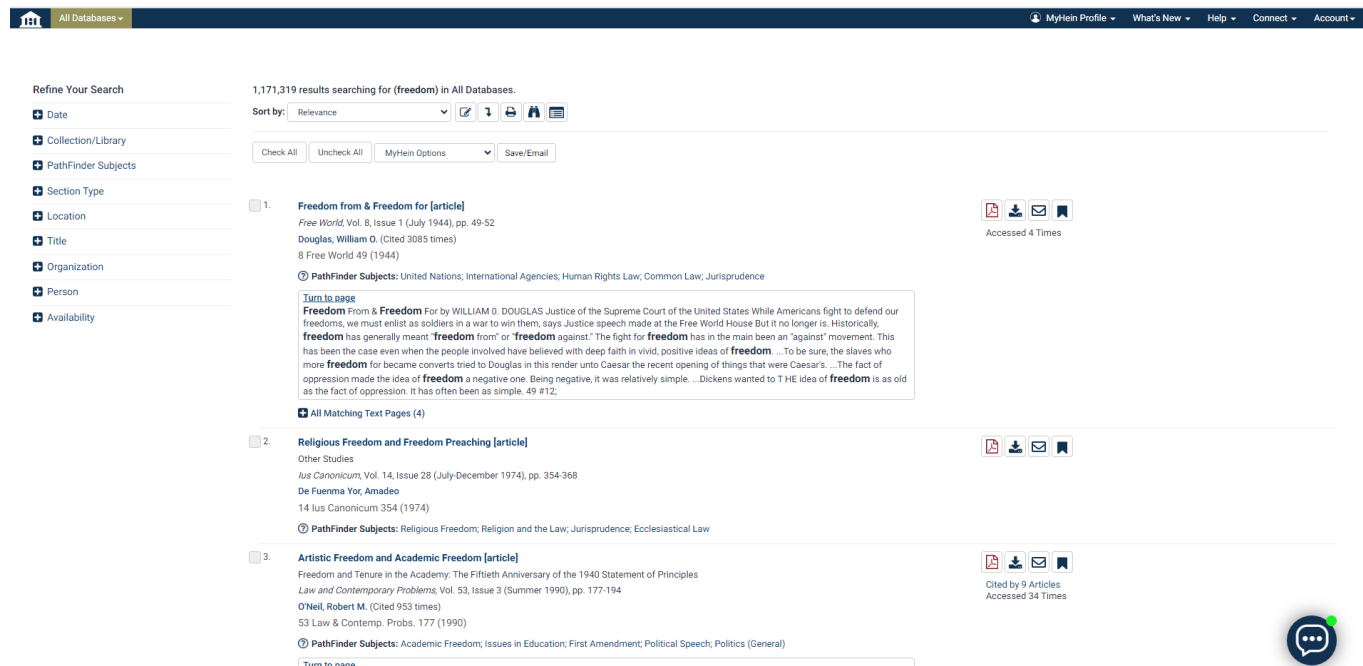
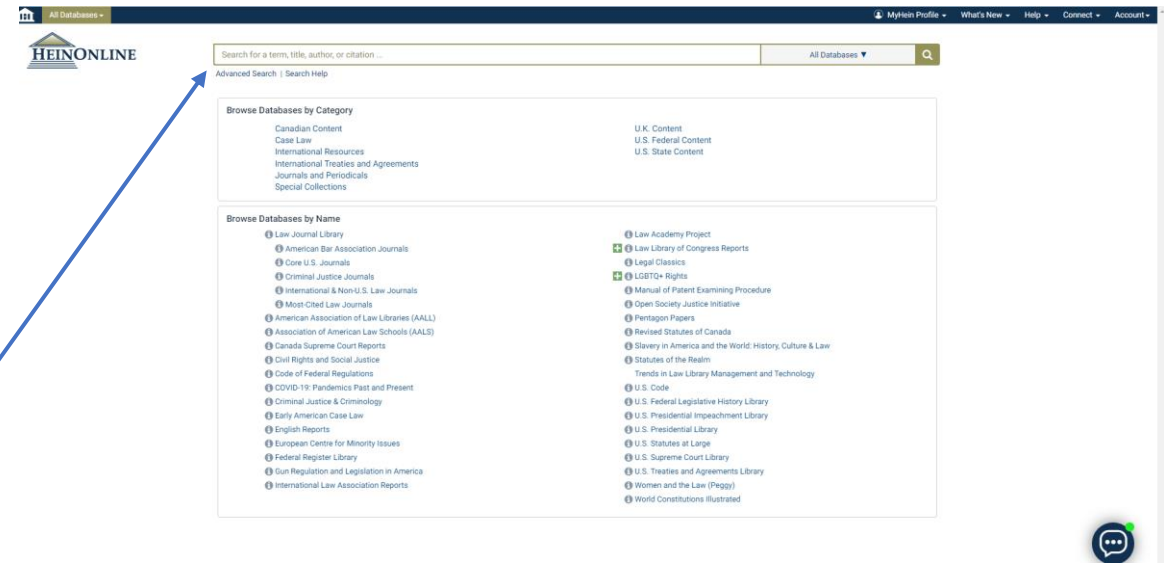
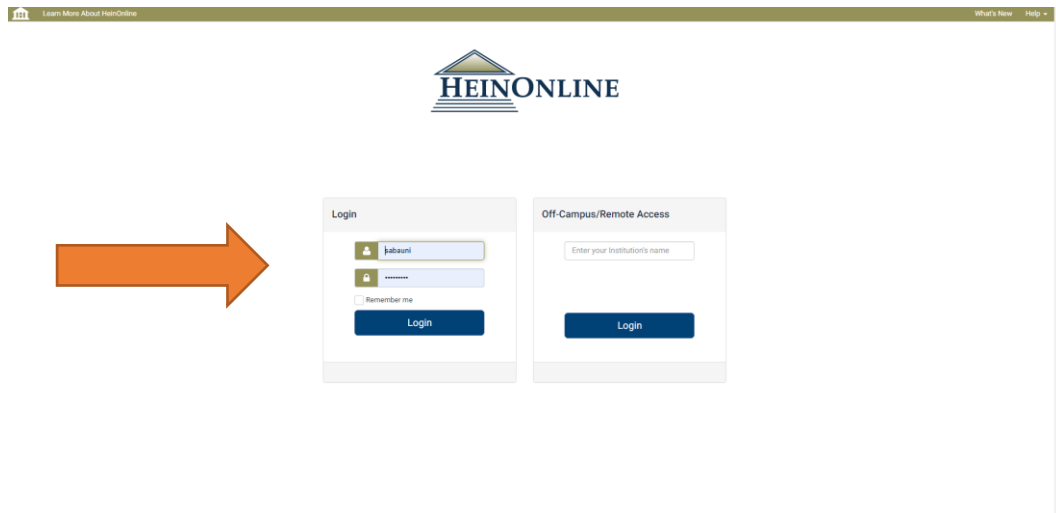
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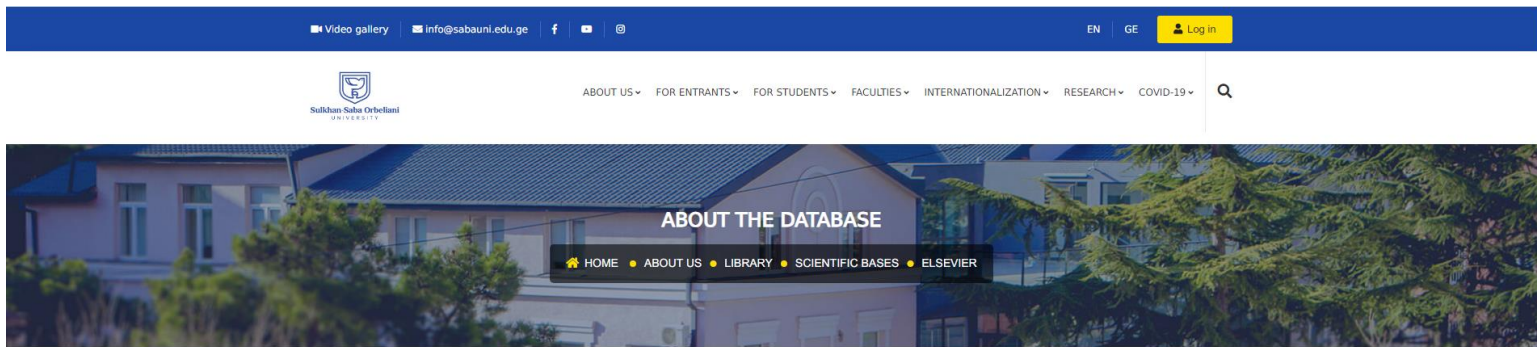
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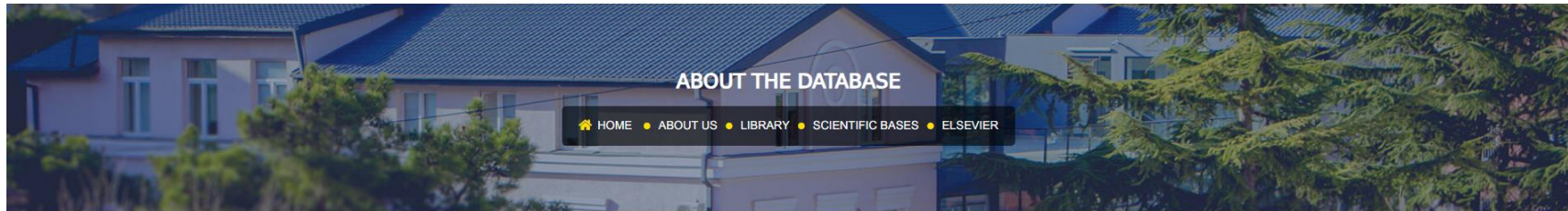
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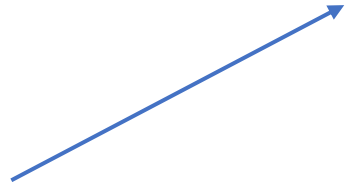
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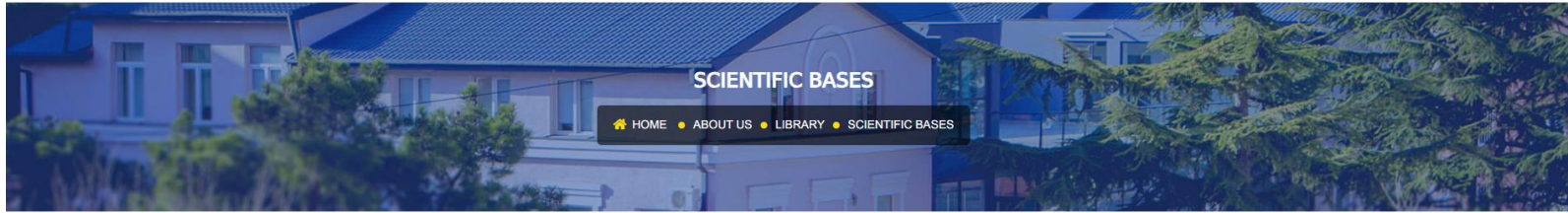
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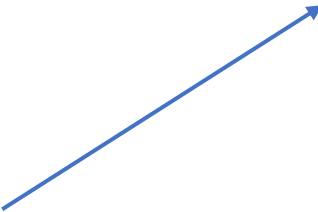


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**Topic** Graphics (13)

**Outline**

- SUMMARY AND RECOMMENDATIONS
- INTRODUCTION
- IMPACT OF AGE-RELATED PHYSIOLOGIC CHANGES ON ANESTHETIC CARE
  - Nervous system
  - Cardiovascular system
  - Respiratory system
  - Hepatic system
  - Renal system
  - Hematological system
  - Pharmacokinetic changes
- PREANESTHESIA CONSULTATION
  - Medical history and physical examination
  - Assessment for frailty
  - Assessment of baseline cognitive function
  - Evaluation of the institutionalized patient
  - Medication history
- PREOPERATIVE TESTING
- ANESTHETIC TECHNIQUES
  - Neuraxial versus general anesthesia

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**Author:** Sheila Karmali, MD  
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 Contributor Disclosures

All topics are updated as new evidence becomes available and our peer review process is complete.  
 Literature review current through: **May 2023**.  
 This topic last updated: **Nov 02, 2022**.

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**INTRODUCTION**

Older adults (≥65 years of age) account for a disproportionately large fraction of all surgical procedures performed in the United States (Figure 1). Although older age is a risk factor for perioperative mortality, preoperative comorbidities and the invasiveness of the planned surgical procedure are other important predictors in all age groups [1-5].

This topic will discuss age-related physiologic changes that affect anesthetic drugs and techniques and optimal perioperative anesthetic management of older patients.

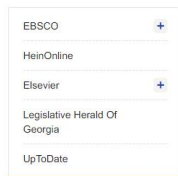
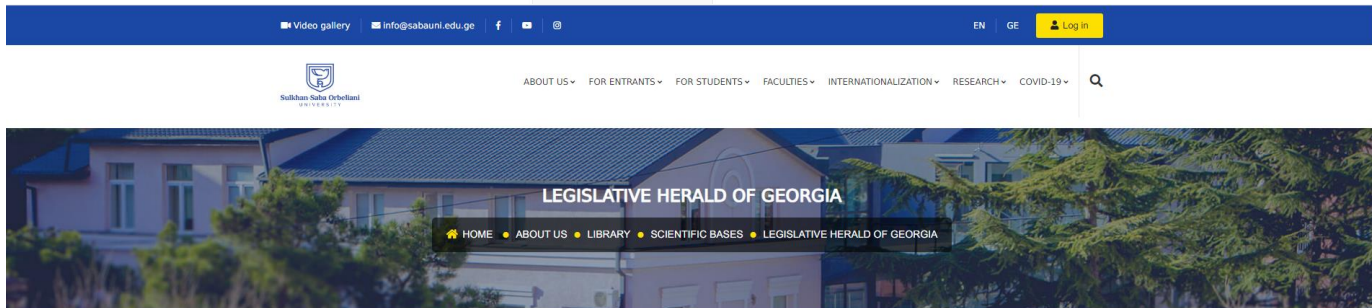
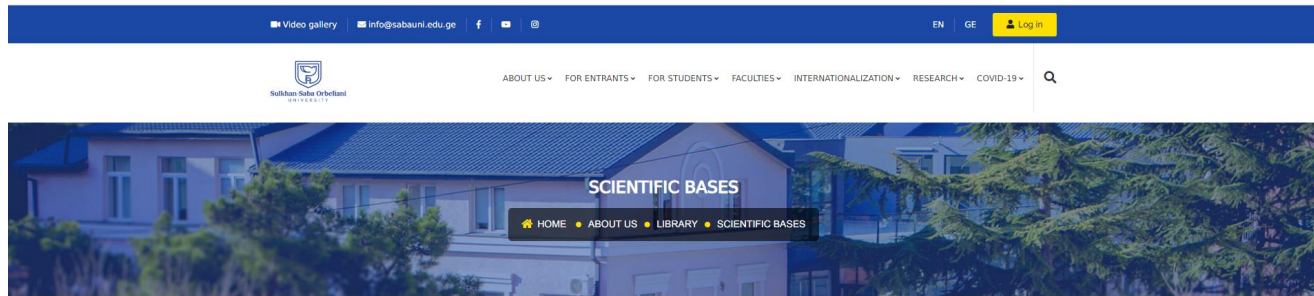
**IMPACT OF AGE-RELATED PHYSIOLOGIC CHANGES ON ANESTHETIC CARE**

Aging is associated with a progressive loss of functional reserve in all organ systems (see "Normal aging"). However, there is considerable individual variability in the onset and extent of these changes. Nevertheless, even the healthy older adult has reduced physiologic reserve such that organ systems may be compromised during illness and/or surgical stress. Physiologic changes specifically impact anesthetic care, in part by increasing susceptibility to anesthetic drugs [6,7].

**Nervous system** — Age-related changes in the central and peripheral nervous system result in pharmacodynamics changes that affect older adults' responses to anesthetics and other medications, and also affect pain perception [8]. Central nervous system changes include reduction in brain size and neuronal density and widening of the sulci and ventricles. Regional reductions in neurotransmitters (eg, dopamine, serotonin, and acetylcholine) and neuroreceptors may occur [9].

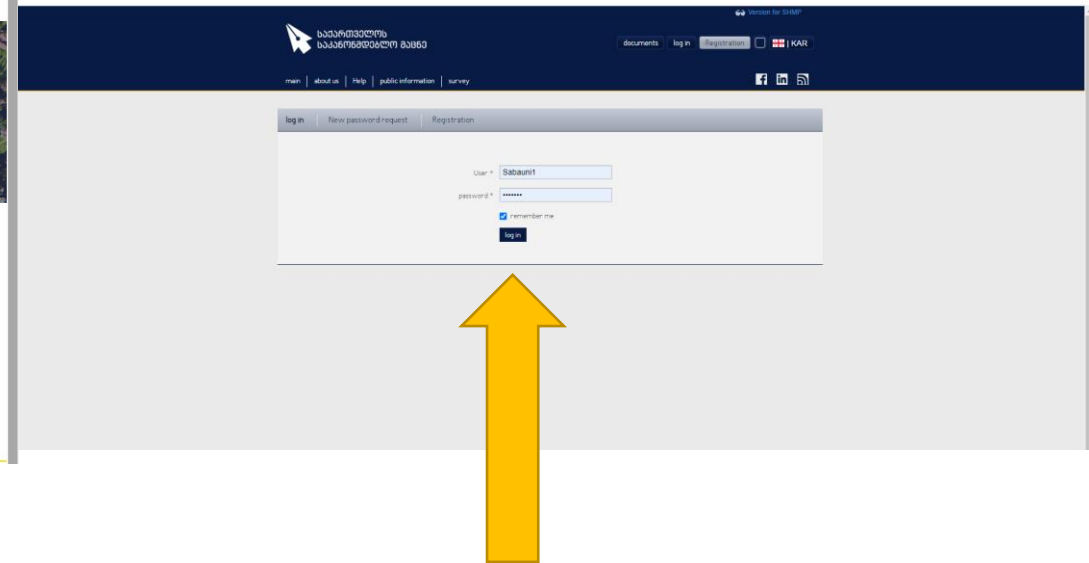
- **Pharmacodynamic sensitivity** - Pharmacodynamic sensitivity increases with age for all intravenous (IV) agents that act within the central nervous system (eg, propofol, fentanyl, midazolam) [8]. Furthermore, there are age-related decreases in the minimum alveolar concentration (MAC) at 1 atmosphere that prevents movement in 50 percent of patients exposed to a surgical incision [10]. In addition, a decrease in cholinergic receptor activity may explain the older patient's vulnerability to the anticholinergic side effects of medications such as diphenhydramine, meperidine, and scopolamine [9]. (See "Selection and dosing of anesthetic agents" below and "Perioperative neurocognitive disorders in adults: Risk factors and mitigation strategies", section on "Risk assessment".)

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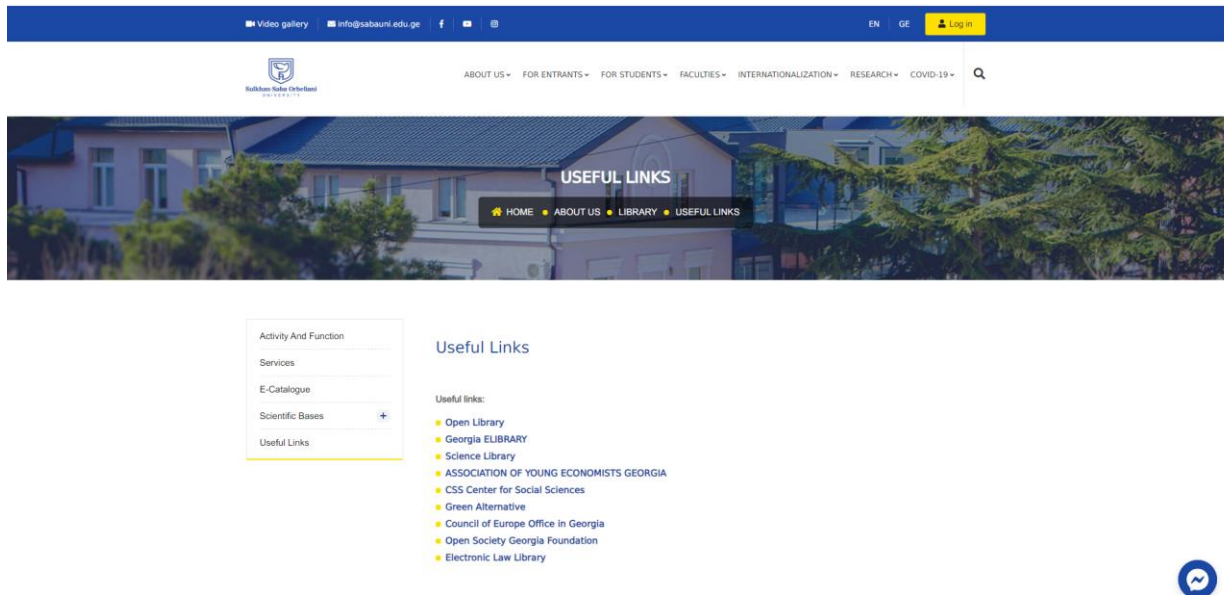
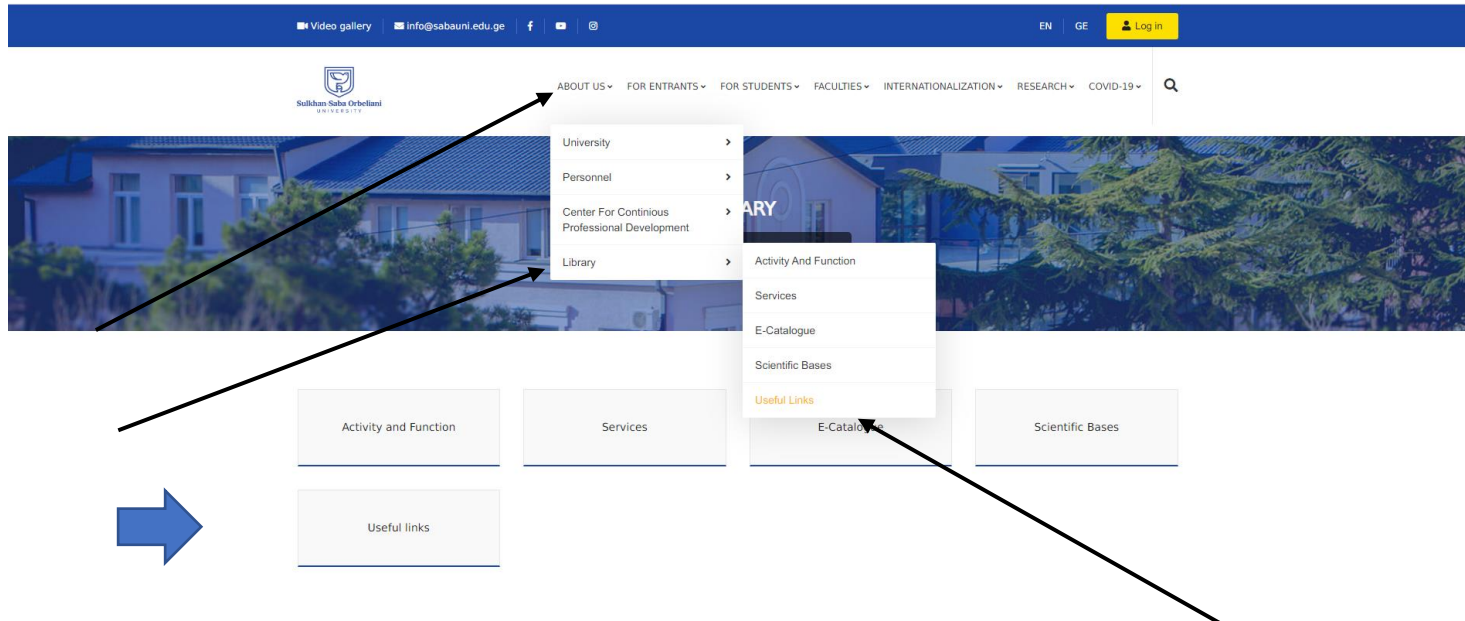
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Sulkhani-Saba Orbelliani University is registered on the Georgian Legislative Herald matsne.gov.ge which offers the full database of normative acts of official legal force. <https://matsne.gov.ge/>





# Useful Links





Sulkhan-Saba Orbeliani  
UNIVERSITY



Sulkhan-Saba Orbelian University  
Library

# Contact

website

<https://www.sabauni.edu.ge/en>

<https://www.sabauni.edu.ge/en/content/chven-shesakheb/biblioteka>

Email:

[library@sabauni.edu.ge](mailto:library@sabauni.edu.ge)

Tel.: (+995 32) 2 42 22 42 (103)

Monday – Friday: 9:00 – 21:00hours

Saturday: 09:00 – 18:00 hours.