High-level accessibility review – LAA (BCC Research Platform)

Primary Point of Contact

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BCC Research Platform

Summary

Top 3 problems for the BCC Research Platform

This high-level assessment covers limited portions and functionality of the BCC Research Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

- 1. **Contrast (minimum)** Every page has contrast issues. The navigation which on most of the pages has contrast issues.
- 2. **Keyboard** Large number of interactive elements cannot be reached or activated with the keyboard alone.
- 3. Use of Color Many elements include several that are site wide do not have enough contrast between the text and background.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

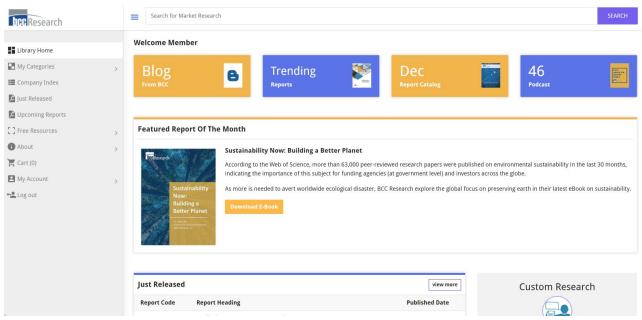
Issues found through automated testing come from the Axe plugin, an open-source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <u>https://www.deque.com/products/axe/</u>.

1. **SC 4.1.2 A** – Name, Role, Value – The Email and phone icons do not have a role but use aria-label which is not allowed. These should have a role of image.

- 1. **SC 1.3.1 A** Info and Relationships "Contact" and "Connect With Us" text appear and function like headings but are not marked up as such.
- SC 1.4.11 AA Non-text Contrast Search Field and search button focus indicator lacks 3:1 contrast with inner and outer background. Focus Indicator: #B9AEF5, Inner Background: #735FED, Contrast: 2.3:1, Outer background: #ffffff, Contrast: 2:1.
- 3. **SC 1.4.11 AA** Non-text Contrast Side navigation buttons (My categories, company index, etc.) focus indicator lacks 3:1 contrast with inner and outer background. Focus Indicator: #A6A6A6, Inner/Outer Background: #EDEDED, Contrast: 2.1:1.
- 4. **SC 2.4.7 AA** Focus Visible The hamburger menu icon and the BCC Research Logo link receive focus but are missing a focus indicator.
- 5. SC 2.4.7 AA Focus Visible The social media links in the footer receive focus but are missing a focus indicator.
- 6. **SC 4.1.2 A** Name, Role, Value When side menu items are expanded the expanded attribute is not be set properly and not announced to screen readers.

1. Landing Page

Source: https://academic-bccresearch-com.offcampus.lib.washington.edu/member/index/libraryhome Test case: Test initial interface/landing page to ensure menus (including side menu), submenus, search box, images, icons, etc. are accessible.



Automated findings using Axe

- SC 1.4.3 AA Contrast (Minimum) Blog button and Dec report catalog text does not have at least 4.5:1 contrast with the background. Button Text: #ffffff, Background: #F1B34B, Contrast: 1.9:1.
- 2. **SC 1.4.3 AA** Contrast (Minimum) Reports and Podcast text does not have at least 4.5:1 contrast with the background. Button Text: #ffffff, Background: #5B72E7, Contrast: 4.2:1.
- 3. **SC 1.4.3 AA** Contrast (Minimum) Download E-Book button text does not have at least 4.5:1 contrast with the background. Button Text: #ffffff, Background: #FFB748, Contrast: 1.7:1.
- 4. **SC 1.4.3 AA** Contrast (Minimum) "Full list of available reports download", "complete list of company index", and "create your own custom keyword alert" text does not have at least 4.5:1 contrast with the background. Button Text: #ffffff, Background: #5B72E7, Contrast: 4.2:1.

- 1. **SC 1.1.1 A** Non-text content Blog, Trending, Catalog, Podcast, Custom Research, and Need help icons are decorative but are read by screen readers. Set alt="" for each image.
- 2. **SC 1.3.1 A** Info and Relationships Welcome Member, Just Released, and Upcoming Reports appear and function as heading but are not marked up as such.
- 3. **SC 1.4.11 AA** Non-text Contrast– The focus indicator for Trending and Podcasts does not have at least 3:1 contrast with the inner background. Focus: #767676, Background: #5B72E7, Contrast: 1.1:1
- SC 1.4.11 AA Non-text Contrast– Focus state of "Download E-Book" button does not have at least 3:1 contrast with the inner or outer background. Focus Indicator: #FFDAA3, Inner Background: #FFB748, Contrast: 1.3:1, Outer Background: #ffffff, Contrast: 1.3:1.
- 5. **SC 2.4.4 A** Link Purpose (in context) There are multiple learn more links that go to different information but have the same programmatic text. Learn more should use programmatic text that includes info about the destination. Such as "Learn More about Custom Research".

2. Search Results – Bioinformatics

Source: https://academic-bccresearch-

com.offcampus.lib.washington.edu/member/index/search?search_keyword=bioinformatics&srch_opt=2 **Test case:** From the initial landing page, conduct a search for: bioinformatics. Test search results page, sort by options. Select Advanced Search to test if limits/refine search options are accessible (select 2023).

bcc Research		Search for Market Research	SEARCH
Library Home		IF SORT BY: Most Relevant Company Profile	T Advanced search
My Categories	>	REFINE YOUR SEARCH	
Company Index			
🔊 Just Released		Search In Report Title Report Highlights Report Scope Report Description	By Year
Dipcoming Reports		Life Sciences Med Devices & Surgical Cell Biology Pharmaceuticals Health Maintenance	2023 2022 2021
[] Free Resources	>	Sensors Instrument Safety and Security Engineering Photonics	2020 2019 2018
About	>		INCLUDE
) Cart (0)		Materials Advanced Materials Plastics Chemicals Semiconductor Nanotechnology	Partner Reports
My Account	>	Environment Water-Membrane Fuel Cell Food Energy Manufacturing Environment	×
• Log out		Commerce Finance Consumer Startup IT Venture Capital Franchise reports	DBAG
		Apply Filter Reset	11
		150 Search results for bioinformatics in your memberhip No time to search? Our Research Concierge can help. Email us concierge@bccresearch.com 1. Bioinformatics: Technologies and Global Markets Published - Dec 2023 Publisher = BCC Publishing Code - B10051G The global market for bioinformatics is expected to grow from \$18.7 billion in 2023 to \$35.5 billion by the end of 2028, at a cor (CAGR) of 13.6% during the forecast period of 2023-2028.	In Membership
		2. 2021 Biotechnology Research Review Published - Mar 2022 Publisher - BCC Publishing Code - BIO069J The global market for exosome diagnostics and therapeutics should grow from \$97.8 million in 2021 to \$512.6 million by 2026 rate (CAGR) of 39.3% for the period of 2021-2026.	In Membership at compound annual growth

Automated findings using Axe

No automated issues detected.

- 1. **SC 1.4.1 A** Use of Color The show all reports link does not have at least 3:1 contrast with the surrounding text. Link: #114c92, Surrounding Text: #282828, Contrast: 1.7:1.
- 2. **SC 1.4.3 AA** Contrast (Minimum) The feedback button text does not have at least 4.5:1 contrast with the background. Button Text: #ffffff, Background: #FFB748, Contrast: 1.7:1.

- SC 1.4.11 AA Non-text Contrast The focus indicator for "advanced search, "apply filter", and "Reset" do not have at least 3:1 contrast with the background. Focus: #B9AEF5, Background: #ffffff, Contrast 2:1
- 2. **SC 2.1.1 A** Keyboard Sort by and close button for refine your search cannot be reached or activated with the keyboard alone.
- 3. SC 2.4.7 AA Focus Visible The filter buttons (search in, report title, life sciences, etc.) receive focus but do not have a visible focus indicator.
- 4. SC 2.4.7 AA Focus Visible The <u>concierge@bccresearch.com</u> link receives focus but does not have a visible focus indicator.
- 5. **SC 2.4.7 AA** Focus Visible The filter buttons (search in, report title, life sciences, etc.) receive focus but do not have a visible focus indicator.
- 6. SC 2.4.7 AA Focus Visible The article title links (Bioinformatics: Technologies and Global Markets,

2021 Biotechnology Research, etc.) receive focus but do not have a visible focus indicator.

- 7. **SC 2.4.7 AA** Focus Visible Pagination button (previous page, page number, next page) receive focus but do not have a visible focus indicator.
- 8. **SC 4.1.2 A** Name, Role, Value Current page the user is on in the pagination does not have ariacurrent attribute set.
- 9. SC 4.1.2 A Name, Role, Value Sort by buttons are missing a role and a selected state.
- 10. SC 4.1.2 A Name, Role, Value Close button is missing a role and a name.
- 11. **SC 4.1.3 AA** Status Messages When the user changes between sort by options there is a loading spinner that is not announced to the screen reader.

3. Individual Search Results

Source: <u>https://academic-bccresearch-com.offcampus.lib.washington.edu/market-research/biotechnology/bioinformatics-technologies-and-global-markets.html</u>

Test case: Test individual search result (report) landing page & test report, including side menu/table of contents, highlights, moving through chapters, etc.

		Search in this R	eport	✓ Search BCC R	esearch	C	
	Bioir	nformatics: 1	echnologies a	nd Global Marke	ts		
Category: Biotechnology	Report Code: BIO051G	Publish	ed: Dec 2023	Pages: 481		Downloads 🧮 🛃 🗙 📕	
ote: Clicking on the chapter title	s will display the entire chapter	. If you would like	to read the chapter co	ntent by each subtopic, t	hen click on the + sign r	next to each chapter.	
eyword: bioinformatics - (741		,	F	- A		Add to Wishlist My Wishlis	
Ch.1 - Introduction (14)		Highlights	🔓 Scope & Analy	st 🗐 List of Tables	List of Figur	Concerns and the second second	
Ch.2 - Summary and Highlights (14)		The Highlights Scope & Analyst Est of Tables and Est of Figures we react					
Ch.3 - Market Overview (70)						A- A+	
Ch.4 - Market Dynamics (59)							
Ch.5 - Market Breakdown by	Application (78)			tics is expected to grow f wth rate (CAGR) of 13.6%		23 to \$35.5 billion by the end of	
Ch.6 - Market for Sequencing	Services and Platforms					w from \$4.7 billion in 2023 to \$9.0	
(19)				AGR of 14.1% during the f			
Ch.7 - Market Breakdown by Solution (80) Ch.8 - Market Breakdown by End Use (52)		 The global market for bioinformatics in proteomics applications is expected to grow from \$3.1 billion in 2023 to \$5.9 billion by the end of 2028, at a CAGR of 13.8% during the forecast period of 2023-2028. 					
Ch.9 - Market Breakdown by		\$5.5 billion	by the end of 2020, a	a char of 15.0% during	the forecast period of	2023-2020.	
Ch.10 - ESG Development (9)	0						
Ch.10 - ESG Development (9) Ch.11 - Bioinformatics Applications in Pharmaceutical		Summary Figure: Global Market Shares of <mark>Bioinformatics</mark> , by Application, 2022					
R&D (52)			Global Mar	(%)	natics, by Applicatio	on, 2022	
Ch.12 - Emerging Technologi	es and Developments (18)			(70)			
Ch.13 - Qualitative Informati	on on New Software (8)			Others			
Ch.14 - M&A and Venture Fu	nding Outlook (8)		Metagenomic	6.5%	Ge	nomics	
Ch.15 - Competitive Intellige	nce (10)		7.6%			14.9%	
Ch.16 - Company Profiles (18))		Transcriptomics				

Automated findings using Axe

- SC 1.4.3 AA Text Contrast (minimum) The orange number of chapters text (23 occurrences) does not have at least 4.5:1 contrast with the background. Text: #FF6600, Background: #ffffff, Contrast: 2.9:1
- SC 1.4.3 AA Text Contrast (minimum) The text on chapters and subheadings (31 occurrences) does not have at least 4.5:1 contrast with the background. Text: #1881b1, Background: #ffffff, Contrast: 4.4:1
- 3. **SC 1.4.3 AA** Text Contrast (minimum) The white text on gold buttons (3 occurrences) does not have at least 4.5:1 contrast with the background. Text: #ffffff, Background: #DAAD4E, Contrast: 2.1:1
- 4. SC 1.4.4 AA Resize Text The metaname="viewport" disables text scaling and zooming.
- 5. **SC 4.1.2 A** Name, Role, Value Search in this report combobox does not have an accessible name.
- 6. **SC 4.1.2 A** Name, Role, Value Document has multiple elements referenced with ARIA with the same ID attribute (dropdownMenu1).
- 7. **SC 4.1.2 A** Name, Role, Value My Account menu is using aria-expanded attribute without a proper role. Role should be set as button.

- 1. **SC 1.4.11 AA** Non-text Contrast Search icon does not have at least 3:1 contrast with the background. Icon: #ffffff, Background: #DAAC57, Contrast 2.1:1
- 2. **SC 2.1.1 A** Keyboard Primary menu items with submenus can be clicked on with the mouse and opened but they cannot be activated with the keyboard alone.
- 3. **SC 2.1.1 A** Keyboard My account menu cannot be reached or opened with the keyboard alone.
- 4. **SC 2.1.1 A** Keyboard PDF link cannot be reached or opened with the keyboard alone.
- 5. SC 2.1.1 A Keyboard Tree menu of chapters cannot be reached or activated with the keyboard

alone.

6. **SC 2.1.1 A** – Keyboard – previous and next buttons cannot be reached or activated with the keyboard alone.

4. Trending Reports Landing Page

Source: https://academic-bccresearch-com.offcampus.lib.washington.edu/member/index/trending-reports **Test case:** From the initial interface, select Trending Reports section, Trending Reports landing page, and one report landing page.

THResearch					199
Library Home		Trending Repo	orts		
My Categories	>	Report Code	Report Heading	Published	ReportDetail
Company Index		PHM149C	Neurostimulation: Technologies and Global Markets	Sep 2023	Click
Just Released		EGY193A	Global Hydrogen Generation Market	Sep 2023	Click
Upcoming Reports		IFT292A	Global AI Training Dataset Market	Sep 2023	Click
Free Resources	>	BIO051G	Bioinformatics: Technologies and Global Markets	Nov 2023	Click
About	>	BIO100E	Agricultural Biotechnology: Emerging Technologies and Global Markets	Oct 2023	Click
Cart (0)		BIO248A	Biologics Contract Development and Manufacturing Organizations (CDMOs): Global Markets	Oct 2023	Click
My Account	>	IFT154B	Virtual Reality Technologies: Global Markets	Oct 2023	Click
Log out		BIO247A	Global Bioanalytical Testing Services Market	Sep 2023	Click
		EGY061D	The Global Market for Distributed Energy Generation	Sep 2023	Click
		HLC293A	Mental Health Application: Technologies and Global Markets	Sep 2023	Click
		ENG034A	Automotive Electronics: Global Markets for IC Engine and EVs	Sep 2023	Click
		MDS098A	Neuroprosthetics: Technologies and Global Markets	Sep 2023	Click
		IAS022G	Remote Sensing Technologies and Global Markets	Sep 2023	Click
		SMC024N	The Market for Thermal Management Technologies	Oct 2023	Click
		BIO142B	Liquid Handling: Technologies and Global Markets	Sep 2023	Click
		MFG021E	Electronics Contract Manufacturing and Design Services: The Global Market	Sep 2023	Click
		NAN070B	Global Nanotechnology Market	Oct 2023	Click
		HLC034G	Global Markets for Animal Therapeutics and Diagnostics	Nov 2023	Click

Automated findings using Axe

- 1. SC 1.4.3 AA Contrast Minimum The table headings (Report Code, Report Heading, etc.) do not have at least 4.5:1 contrast with the background. Text: #2962ff, Background: #2962ff, Contrast: 4.49:1.
- 2. **SC 1.3.1 A** Info and Relationships The pagination is an unordered list (UL) but contains direct children other than list items (LI).

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.