Research @ BUE

State of the Research Mission

Yehia Bahei-El-Din
Vice President (Research & Postgraduate Studies)

Second Research Forum

29 November 2015
Research @ BUE

Research Strategic Objectives

• To establish the BUE as a leading research University in Egypt and the MENA region

• To advance BUE ranking in international league tables
Research @ BUE

Human Resources

Physical Resources

Environment

Research Output

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Human Resources
- Research active
- Publish
- Participate
- Collaborate
- Educate

Physical Resources

Environment

Research Output

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Human Resources

Physical Resources
- Infrastructure
- Laboratories
- Library

Environment

Research Output

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Human Resources

Physical Resources

Environment

• Supportive
• Incentivizing
• Rewarding

Research Output

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BUE Research Environment

Supportive

- Research time (20%)
- Academic staff summer leave (3 mon.)
- Teaching Assistants Study Abroad Leave
- Logistic support for proposals & and grants
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BUE Research Environment

Incentivizing

- Research seed fund
- Conference participation fund
- Research publication fund
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BUE Research Environment

Rewarding

- Principal Researcher Award
- Early Research Career Award
- High-Impact Researcher Award
- Best Publication Award
- Best Postgraduate Thesis Award
- Best Graduation Project Award

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- Postgraduate Programs
- Research Centres
- Collaboration
- Funding
- Publications

Research Output

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## Research @ BUE

<table>
<thead>
<tr>
<th>Postgraduate Programs offered at BUE</th>
<th>Renewable Energy (2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Advanced Materials (2011)</td>
</tr>
<tr>
<td></td>
<td>Web Science (2012)</td>
</tr>
</tbody>
</table>

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Research @ BUE

<table>
<thead>
<tr>
<th>Postgraduate Programs</th>
<th>LU-BUE joint PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>offered jointly with Partners</td>
<td>LSBU-BUE joint PhD</td>
</tr>
</tbody>
</table>

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### Research @ BUE

**Research Centres**

<table>
<thead>
<tr>
<th>Centre</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Physics</td>
<td>2006</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>2008</td>
</tr>
<tr>
<td>Renewable Energy</td>
<td>2012</td>
</tr>
<tr>
<td>Sustainability and Future Studies</td>
<td>2012</td>
</tr>
<tr>
<td>Drug Research and Development</td>
<td>2013</td>
</tr>
</tbody>
</table>

**YBaheiElDin**
<table>
<thead>
<tr>
<th>Research Centres 2015</th>
<th>Preventive Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Advanced Informatics and Business Intelligence</td>
</tr>
<tr>
<td></td>
<td>Emerging Learning Technologies</td>
</tr>
<tr>
<td></td>
<td>Innovation, Governance and Green Economy</td>
</tr>
<tr>
<td></td>
<td>Simulation Innovation and Advanced Manufact.</td>
</tr>
</tbody>
</table>

YBaheiElDin
<table>
<thead>
<tr>
<th>Institutional Collaboration</th>
<th>National Authority for Remote Sensing &amp; Space Sciences (NARSS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New &amp; Renewable Energy Authority (NREA)</td>
</tr>
<tr>
<td></td>
<td>Oriental Weavers Group</td>
</tr>
</tbody>
</table>
## Research @ BUE

<table>
<thead>
<tr>
<th>Institutional Collaboration</th>
<th>UK – LU, LSBU, QM</th>
</tr>
</thead>
<tbody>
<tr>
<td>international</td>
<td>US – NCSU, USC, TAMU, UNLV</td>
</tr>
<tr>
<td></td>
<td>Germany – U. Hamburg</td>
</tr>
<tr>
<td></td>
<td>Spain – Rovira U.</td>
</tr>
</tbody>
</table>
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Individual Collaboration: international

Institutions collaborating with The British University in Egypt

Filter for more (regional) detail or filter by field at the top of the page

346 collaborating Institutions
458 co-authored publications
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University – Industry Partnership

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External Funding

21 Projects
(18.4 M EGP)

International Funding Agencies (10)

Egyptian Funding Agencies (11)

Industry (3)

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Publications

Outputs in Top Percentiles
Publications in top 10% most cited worldwide

The British University in Egypt: 22.5%
Egypt: 10.1%

Publications in Top Journal Percentiles
Publications in top 10% journals by SNIP

The British University in Egypt: 19.8%
Egypt: 11.0%

Elsevier’s Scopus & SciVal Parameters, 28/11/2015

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Publications

International Collaboration
Publications co-authored with Institutions in other countries

The British University in Egypt: 52.2%
Egypt: 43.7%

Academic-Corporate Collaboration
Publications with both academic and corporate affiliations

The British University in Egypt: 0.5%
Egypt: 0.7%

Elsevier’s Scopus & SciVal Parameters, 28/11/2015

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Research @ BUE

Citations per Publication (2010-2015)

Chart Legend
- Ain Shams University [Institution]
- Alexandria University [Institution]
- American University in Cairo [Institution]
- Cairo University [Institution]
- German University in Cairo [Institution]
- Mansoura University [Institution]
- Nile University [Institution]
- The British University in Egypt [Institution]
- Zewail City of Science and Technology [Institution]
## Overall Citations per Publication (2010-2015)

<table>
<thead>
<tr>
<th>University</th>
<th>Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ain Shams University</td>
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<tr>
<td>Alexandria University</td>
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</tr>
<tr>
<td>American University in Cairo</td>
<td>2.3</td>
</tr>
<tr>
<td>Cairo University</td>
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</tr>
<tr>
<td>German University in Cairo</td>
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<tr>
<td>Mansoura University</td>
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<tr>
<td>Nile University</td>
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</tr>
<tr>
<td><strong>The British University in Egypt</strong></td>
<td><strong>7.1</strong></td>
</tr>
<tr>
<td>Zewail City of Science and Technology</td>
<td>5.9</td>
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</tbody>
</table>
# Research @ BUE

## Field-Weighted Citation Impact (2010-2015)

<table>
<thead>
<tr>
<th>University</th>
<th>Impact</th>
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<tbody>
<tr>
<td>Ain Shams University</td>
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<tr>
<td>Alexandria University</td>
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<td>American University in Cairo</td>
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<td>Cairo University</td>
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<td>German University in Cairo</td>
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<td>Mansoura University</td>
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<td>Nile University</td>
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<td><strong>The British University in Egypt</strong></td>
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<td>Zewail City of Science and Technology</td>
<td>1.38</td>
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## Research @ BUE

### Publications by Faculty

<table>
<thead>
<tr>
<th>Who published in the last 20 years (%)</th>
<th>BAEPS</th>
<th>Engineering</th>
<th>ICS</th>
<th>Pharmacy</th>
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<tbody>
<tr>
<td></td>
<td>19</td>
<td>68</td>
<td>23</td>
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Elsevier’s SciVal Parameters, 28/11/2015
<table>
<thead>
<tr>
<th>H-index</th>
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<tr>
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<td>12</td>
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### Research @ BUE

**Publications by Faculty**

<table>
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<tr>
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<td>74</td>
<td>60</td>
<td>46</td>
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Elsevier’s SciVal Parameters, 28/11/2015

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Elsevier’s SciVal Parameters, 28/11/2015

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### Research @ BUE

<table>
<thead>
<tr>
<th>% Publications in top 10% highly cited</th>
<th>BAEPS</th>
<th>Engineering</th>
<th>ICS</th>
<th>Pharmacy</th>
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<tbody>
<tr>
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<td>1</td>
<td>7</td>
<td>2.2</td>
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Elsevier’s SciVal Parameters, 28/11/2015

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## Research @ BUE

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<tbody>
<tr>
<td></td>
<td>1</td>
<td>25.1</td>
<td>20.3</td>
<td>5.1</td>
</tr>
</tbody>
</table>

Elsevier’s SciVal Parameters, 28/11/2015
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Brief Overview

International Ranking of Universities
(League Table)

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Acknowledgement

Prof. Ahmed Hamza

Prof. Sayed Kaseb (Cairo University)
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Academic Rankers

- Academic Ranking of World Universities, Shanghai
- QS World University Ranking
- Times Higher Education World University Ranking
- Webometrics Ranking

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ARWU (Shanghai) Parameters

- Quality of Education (Alumni): 10%
- Quality of Faculty (Nobel prizes): 20%
- Quality of Faculty (Highly cited): 20%
- Research Output (Nature & Science): 20%
- Research Output (Cited publications): 20%
- Per Capita Performance: 10%
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QS Ranking Parameters

- Research Quality (Academic reputation): 40%
- Research Quality (Citations per faculty): 20%
- Graduate Employability: 10%
- International Outlook (Faculty): 5%
- International Outlook (Students): 5%
- Teaching Quality: 20%
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THE Ranking Parameters

- Teaching (Learning Environment): 30%
- Research (Volume, income, reputation): 30%
- Citations (Research influence): 30%
- Innovation (Industry income): 2.5%
- International Outlook (Staff, students): 7.5%