Annual report

Biomédica
Revista del Instituto Nacional de Salud
Volume 41, 2021
Dear readers

As it is already traditional, we are delivering our bulletin with the annual report on some of the results achieved by Biomédica during 2021. We would be grateful if you let us know your helpful comments on this information. The following are the regular issues published during the year.

**Biomédica, volume 41, issue 1**

*Publication date:* March 2021  
*Cover:* "Savannah sunrise", Bogotá, December 12, 2020  
Photograph by Carlos Arturo Hernández Ch.; digital retouch by David Arturo Hernández-Mora. Camara: Canon EOS 7D, zoom EF 28-135 mm, 1:3.5-5.6  
*Editorial:* The vaccines are here, Are we ready?  
Authors: Fernando Ruiz and Julián Fernández-Niño  

**Biomédica, volume 41, issue 2**

*Publication date:* June 2021  
*Cover:* National Program for SARS-CoV-2 Genomic Characterization. SARS-CoV-2 phylogeny in Colombia. Image obtained from the phylogeny using Microreact tools (https://microreact.org) on May 20, 2021. *Grupó de Genómica de Microorganismos Emergentes, Instituto Nacional de Salud, Bogotá, D.C., Colombia*  
*Editorial:* In the grip of SARS-CoV-2: The scientific leadership of the Colombian *Instituto Nacional de Salud*.  
Authors: Luis Alberto Gómez-Grosso, Marcela Mercado, Martha Lucía Ospina  

**Biomédica, volume 41, issue 3**

*Publication date:* September 2021  
*Cover:* Immunohistochemical stain for chromogranin, 40X  
Note the marked homogeneous cytoplasmatic positivity of the neoplastic cells. Leica microscope, model 750, camara ICC-50. *Gabriel Jaime Varela, Laboratorio de Patología Oncológica y Dermatopatología P.O.D., Medellín, Colombia*  
*Editorial:* A difficult time for children's health and wellbeing  
Author: Ernesto Durán-Strauch  

**Biomédica, volume 41, issue 4**

*Publication date:* December 2021  
*Editorial:* Fortieth anniversary of Biomédica  
Authors: Luis Alberto Gómez-Grosso and José Moreno-Montoya  
Thematic supplements 2021

**Biomédica, volume 41, supplement 1, Medical parasitology**

**Publication date:** May 2021  
**Cover:** *Strongyloides venezuelensis*: posterior segment of a gravid parthenogenetic female; vulva, anus, and some eggs can be seen, 40X. Inverted optical microscope, Motic™, with a Moticam Pro™ camera.  
Jairo Tobar, Daniel Ramos-Sarmiento, Diana Tayupanta, Melina Rodríguez and Fabián Aguilar  
*Área de Parasitología y Bioterios, Gestión de Investigación, Desarrollo e Innovación, Instituto Nacional de Investigación en Salud Pública Leopoldo Izquieta Pérez*, Quito, Ecuador  
**Editorial:** Parasitology in Colombia: An overview  
Authors: Sofía Duque, Adriana Arévalo and Rubén Santiago Nicholls  

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**Biomédica, volume 41, supplement 2, Bacterial and viral infections**

**Publication date:** October 2021  
**Cover:** MRI showing meningeal enhancement of the nerve roots of the lumbar segments. Siemens MAGNETOM Avanto 1.5T™, MRI System.  
Hamilton Delgado-Argote, *Radiología e Imágenes Diagnósticas, Universidad Icesi-Fundación Valle del Lili*, Cali, Colombia  
**Editorial:** Effect of preventive measures during the pandemic: Beyond SARS CoV-2  
Author: Aura Lucía Leal-Castro  

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**Biomédica, volume 41, supplement 3, Memoirs of the Instituto Nacional de Salud XVII Scientific Meeting**

**Publication date:** November 2021  
**Cover:** XVII Scientific Meeting, November 24 to 26, 2021  
Promotional image: Alex Casas and João Barroso  
*Iнститут National de Salud*, Bogotá, D.C., Colombia  
**Editorial:** XVII Scientific Meeting: Science, technology and innovation at the service of the pandemic response plan in Colombia.  
Authors: Marcela María Mercado and Gloria Mercedes Puerto  
**Available from:** [https://revistabiomedica.org/index.php/biomedica/issue/view/184](https://revistabiomedica.org/index.php/biomedica/issue/view/184)
Some data of interest

- **Manuscripts published in 2021 by categories**

During 2021, Biomédica published its four regular issues on the stipulated dates: March, June, September, and December, as well as two thematic supplements in May and August.

In the regular issues and thematic supplements the following manuscripts were published in the different categories:

<table>
<thead>
<tr>
<th>Volume, issue, month</th>
<th>Published manuscripts</th>
</tr>
</thead>
</table>
| *Biomédica* Vol. 41 No. 1, March 2021 | Editorial: 1  
Case presentations: 2  
Original articles: 11  
Brief communications: 4  
Letters to the editor: 1  
**Total: 19** |
| *Biomédica* Vol. 41 No. 2, June 2021 | Editorial: 1  
Case presentations: 6  
Original articles: 8  
Brief communications: 1  
Letters to the editor: 2  
**Total: 18** |
| *Biomédica* Vol. 41 No. 3, September 2021 | Editorial: 1  
Historical review: 1  
Images in biomedicine: 1  
Case presentations: 4  
Essay: 1  
Original articles: 8  
Brief communications: 1  
Author corrections: 2  
**Total: 19** |
| *Biomédica* Vol. 41 No. 4, diciembre, 2021 | Editorial: 1  
Case presentations: 4  
Original articles: 11  
Updates: 1  
**Total: 17** |
| *Biomédica* Vol. 41 Supl. 1, Medical parasitology, May 2021 | Editorial: 1  
Case presentations: 2  
Original articles: 8  
Brief communications: 1  
**Total: 12** |
| *Biomédica* Vol. 41 Supl. 2, Bacterial and viral infections, October, 2021 | Editorial: 1  
Historical reviews: 2  
Images in biomedicine: 1  
Case presentations: 1  
Essays: 1  
Original articles: 10  
Brief communications: 1  
**Total: 17** |
• Manuscripts published in advance until December 31, 2021

<table>
<thead>
<tr>
<th>Volume, issue, month</th>
<th>Format</th>
<th>Published manuscripts</th>
<th>Link</th>
</tr>
</thead>
</table>
| *Biomédica* Vol. 42 No. 1, March 2022 | Web site | Case presentations: 2  
Original articles: 12  
Brief communications: 1  
| *Biomédica* Vol. 42 No. 2, June 2022  | Web site | Original articles: 7  
Brief communications: 1  
Total: 8 manuscripts | https://revistabiomedica.org/index.php/biomedica/issue/view/185        |

• Manuscripts received during 2021 by categories and institutions

**Table 1.** Manuscripts by categories, cut off date December 31, 2021

<table>
<thead>
<tr>
<th>Categories</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
</tr>
<tr>
<td>Updates</td>
<td>1</td>
</tr>
<tr>
<td>Original articles</td>
<td>182</td>
</tr>
<tr>
<td>Comments</td>
<td>1</td>
</tr>
<tr>
<td>Brief communications</td>
<td>6</td>
</tr>
<tr>
<td>Essays</td>
<td>7</td>
</tr>
<tr>
<td>Images in biomedicine</td>
<td>4</td>
</tr>
<tr>
<td>Case presentations</td>
<td>44</td>
</tr>
<tr>
<td>Historical reviews</td>
<td>1</td>
</tr>
<tr>
<td>Topic reviews</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>248</td>
</tr>
</tbody>
</table>

**Table 2.** Manuscripts by authors’ institutional affiliation, cut off date December 31, 2021

<table>
<thead>
<tr>
<th>Institutions</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
</tr>
<tr>
<td>Only Instituto Nacional de Salud (INS)</td>
<td>5</td>
</tr>
<tr>
<td>Only national institutions</td>
<td>141</td>
</tr>
<tr>
<td>Only international institutions</td>
<td>75</td>
</tr>
<tr>
<td>INS together with national institutions</td>
<td>12</td>
</tr>
<tr>
<td>National and international institutions</td>
<td>15</td>
</tr>
<tr>
<td>Total</td>
<td>248</td>
</tr>
</tbody>
</table>
• Manuscripts received during 2021 according to their stage in the editorial process

<table>
<thead>
<tr>
<th>Stage in the editorial process</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
</tr>
<tr>
<td>Accepted</td>
<td>38</td>
</tr>
<tr>
<td>Rejected</td>
<td>133</td>
</tr>
<tr>
<td>Still in editorial process</td>
<td>77</td>
</tr>
<tr>
<td>Total</td>
<td>248</td>
</tr>
</tbody>
</table>

**Highlights**

As part of Biomédica’s continuous improvement plan, our editorial efforts included the periodic review and update of the journal’s editorial policy and instructions to authors, the participation in national and international events on current editorial management issues, as well as the use and implementation of technological tools that contribute to improving the quality, visibility, and access to our contents.

- **Journal Citation Report (2020)**
  According to the Journal Citation Report (2020) published on June 15, 2021, our journal’s impact factor is 0.935 (1,278 citations).

- **Photography contest Biomédica (2021)**
  During the first days of December 2021, we published on the journal’s website the results of the first photography contest convened by Biomédica. ([https://revistabiomedica.org/index.php/biomedica/announcement/view/61](https://revistabiomedica.org/index.php/biomedica/announcement/view/61))

  The photographs that were awarded first place in five of the six categories (as we received no photographs in the Imaging category), will be the covers for Volume 42, 2022 issues and those that occupied the following places or received mentions will be published in a special offprint in the same Volume.
Data from Google Analytics

According to the statistics from Google Analytics, from January 1 to December 31, 2021, our website (https://revistabiomedica.org) registered 625,552 sessions or visits from viewers in Colombia, México, Perú, España, Ecuador, Argentina, Chile, Estados Unidos, Venezuela, and Bolivia, among others. This means that there were 86,212 additional visits compared to the same period in 2020, which reflects the interest of the scientific community and the general public in the articles we published, as well as in the news regarding Biomédica and the activities organized by our work team.

Of the 499,509 users that accessed our site to learn about its contents on public health and biomedicine topics, 88.3% were first-time viewers while 11.7% were frequent users. They spent an average of 1.11 minutes per sesión, viewed 1.53 internal sections in each visit, and accessed the site using desk computers (61.77%), smartphones (37.46%), and tablets (0.76%).

Regarding traffic sources, our visitors found our articles and information using internet browsers such as Google (74.78%) and Bing (0.39%), directly accessing Biomédica's website, or clicking on the links we include in our bulletins and notification emails (13.14%). They were also referred from other sites: PubMed (2.47%), Google Scholar (2.2%), Facebook (0.53%), SciELO Colombia (0.43%), Instituto Nacional de Salud (0.31%), Twitter (0.22%), and the Virtual Health Library – VHL (0.17%).

Finally, the following were the journal's sections that attracted the most attention from visitors:

The main page of the journal:
https://revistabiomedica.org/

The topic review “Schwann cell”
https://doi.org/10.7705/biomedica.v13i4.2075

The editorial “Contamination with mercury from mining activities”
https://doi.org/10.7705/biomedica.v32i3.1437

The instructions to authors wanting to submit their articles
https://revistabiomedica.org/index.php/biomedica/about/submissions


The archive section where all Biomédica issues from its foundation in 1981 to the present can be found
https://revistabiomedica.org/index.php/biomedica/issue/archive

The original article “Prevalence of epithelial squamous cell abnormalities and associated factors in women of a rural town of Colombia”
https://doi.org/10.7705/biomedica.v28i2.98

The original article “Levels of physical activity, health-related quality of life, physical self-concept and body-mass index among Colombian students”
https://doi.org/10.7705/biomedica.v38i0.3964

The case presentation “Human intestinal myiasis by Eristalis tenax in a child from the urban area of the municipality of Policarpa, Nariño, Colombia”
https://doi.org/10.7705/biomedica.5400

The historical review “The Golgi silver impregnation method: commemorating the centennial of the Nobel Prize in Medicine (1906) shared by Camillo Golgi and Santiago Ramón y Cajal”
https://doi.org/10.7705/biomedica.v26i4.315

The editorial “Health economics and public health: Global situation and local perspectives”

Using the Ubbersuggest tool, we found that the key terms or words generating the most traffic towards our site and, therefore, the greatest visibility for its contents on the Internet, were the following: Biomédica, abnormalities in epithelial cells, danger signs, guide cells, Langerhans cells, hospitalized women, interferon, cerebral microangiopathy, Pott's disease, Schwann cell, Aedes albopictus, and population genetics.

Finally, it is worth noting that the digital marketing activities conducted to promote Biomédica's first contest of photography in commemoration of its 40th anniversary, contributed to increasing the number of visits to our website. Between May 3 and October 31, i.e., the period during which the call was open, the section hosting the contest bases (https://revistabiomedica.org/index.php/biomedica/announcement/view/58) was visited 3,247 times for an average of 1.49 minutes.

Alternative metrics

Regarding Biomédica's presence in Facebook, Twitter, Linkedin, and Instagram, last year we announced through these social platforms the online publication of issues 1 to 4 and supplements 1 to 3 of volume 41, 2021. We also shared the author summaries of the articles published to facilitate a better understanding of the findings reported by researchers among the general public.
We also used these social networks to publicize the call for the photography contest and to publish its results, as well as to encourage the submission of research papers and attendance at the XVII Scientific Meeting of the *Instituto Nacional de Salud*, one of the emblematic events of the entity, and, of course, to interact with the virtual community by offering important information on the sector and resolving readers' frequent concerns.

*Biomédica* arrived at the end of 2021 with a significant increase in the number of people following its contents through social media. Their active participation has contributed to the exchange of scientific knowledge on the internet: 3,818 followers on Facebook (31 more than in 2020), 2,926 on Twitter (272 more), 602 on LinkedIn (102 more), and 240 on Instagram (170 more).

To ensure our virtual community will continue growing on the internet, we invite all of you to keep in contact at:

https://www.facebook.com/RevistaBiomedicalINS
https://twitter.com/Biomedica_INS
https://www.linkedin.com/company/biomedica-revista-del-instituto-nacional-de-salud/
https://www.instagram.com/revistabiomedica/


Lastly, we sincerely appreciate the collaboration of the editors, the scientific community and national and foreign evaluators for their contribution to our purpose of continuing to grow and gain international visibility and recognition as a way to support and project national and regional scientific production.