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Annual report

Biomédica

Revista del Instituto Nacional de Salud

Volume 41, 2021

41

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INSTITUTO NACIONAL DE SALUD
Avenida calle 26 N° 51-20,
oficina B-245, zona 6,
Bogotá, D.C., Colombia
Teléfono (571) 220-7700, ext. 1386
biomedica@ins.gov.co
www.revistabiomedica.org

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

Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/177>

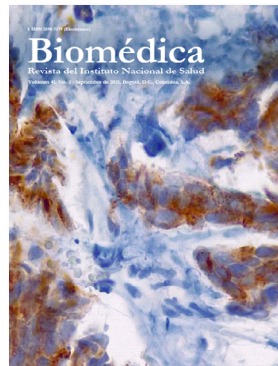
***Biomédica*, volume 41, issue 2****Publication date:** June 2021

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. *Grupo 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

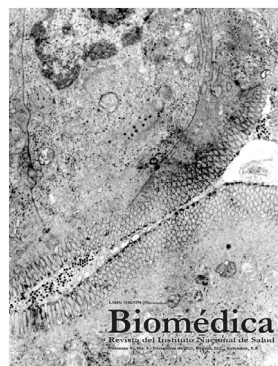
Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/178>

***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

Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/180>

***Biomédica*, volume 41, issue 4****Publication date:** December 2021

Cover: Enterocytes from the jejunum of a suckling mouse naturally infected with rotavirus, 12.600X. Transmission electron microscope, EMI. Courtesy of professor Gerzaín Rodríguez-Toro, *Laboratorio de Microscopía Electrónica, Grupo de Patología, Instituto Nacional de Salud, Bogotá, D.C., Colombia*. Taken from: Rodríguez-Toro G. *Microscopía electrónica de la infección viral*. Bogotá: Instituto Nacional de Salud; 1983. p. 178-9

Editorial: Fortieth anniversary of *Biomédica*

Authors: Luis Alberto Gómez-Grosso and José Moreno-Montoya

Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/181>

Thematic supplements 2021



Biomédica, volume 41, supplement 1, Medical parasitology

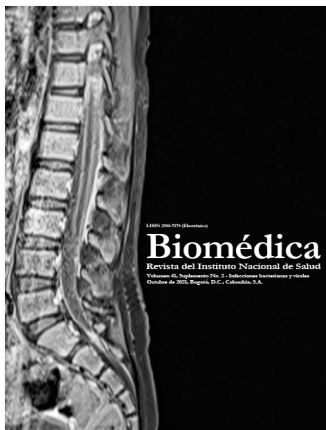
Publication date: May 2021

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

Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/179>



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

Available from: <https://revistabiomedica.org/index.php/biomedica/issue/view/182>



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
Instituto Nacional 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>

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:

Volume, issue, month	Published manuscripts
<i>Biomédica</i> Vol. 41 No. 1, March 2021	Editorial: 1 Case presentations: 2 Original articles: 11 Brief communications: 4 Letters to the editor: 1 Total: 19
<i>Biomédica</i> Vol. 41 No. 2, June 2021	Editorial: 1 Case presentations: 6 Original articles: 8 Brief communications: 1 Letters to the editor: 2 Total: 18
<i>Biomédica</i> 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
<i>Biomédica</i> Vol. 41 No. 4, diciembre, 2021	Editorial: 1 Case presentations: 4 Original articles: 11 Updates: 1 Total: 17
<i>Biomédica</i> Vol. 41 Supl. 1, Medical parasitology, May 2021	Editorial: 1 Case presentations: 2 Original articles: 8 Brief communications: 1 Total: 12
<i>Biomédica</i> 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

Volume, issue, month	Format	Published manuscripts	Link
<i>Biomédica</i> Vol. 42 No. 1, March 2022	Web site	Case presentations: 2 Essays: 1 Original articles: 12 Brief communications: 1 Total: 16 manuscripts	https://revistabiomedica.org/index.php/biomedica/issue/view/183
<i>Biomédica</i> 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

Categories	2021	
	n	%
Updates	1	0.4
Original articles	182	73.4
Comments	1	0.4
Brief communications	6	2.4
Essays	7	2.8
Images in biomedicine	4	1.6
Case presentations	44	17.8
Historical reviews	1	0.4
Topic reviews	2	0.8
Total	248	100

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

Institutions	2021	
	n	%
Only Instituto Nacional de Salud (INS)	5	2
Only national institutions	141	57
Only international institutions	75	30.2
INS together with national institutions	12	4.8
National and international institutions	15	6
Total	248	100

- Manuscripts received during 2021 according to their stage in the editorial process

Stage in the editorial process	2021	
	n	%
Accepted	38	15.4
Rejected	133	53.6
Still in editorial process	77	31
Total	248	100

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>)

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.

FOTOGRAFÍA BIOMÉDICA

CONCURSO DE FOTOGRAFÍA CIENTÍFICA

Terminó la búsqueda de imágenes estéticamente llamativas, atractivas y agradables, que, al mismo tiempo, ilustren un fenómeno científico interesante. Los miembros del jurado calificador tomaron una decisión y los resultados de esta actividad ya se pueden consultar en <https://revistabiomedica.org>

¡Muchas gracias a todos por participar y celebrar nuestros cuarenta años de fundación!



■ 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 topic review “Excitation-contraction coupling in skeletal muscle: questions remaining after 50 years of research” <https://revistabiomedica.org/index.php/biomedica/article/view/50>

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”

<https://revistabiomedica.org/index.php/biomedica/article/view/4596>

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/RevistaBiomedicaINS>

https://twitter.com/Biomedica_INS

<https://www.linkedin.com/company/biomedica-revista-del-instituto-nacional-de-salud/>

<https://www.instagram.com/revistabiomedica/>

You can also download the journal's contents from our app available at App Store: <https://apps.apple.com/us/app/biom%C3%A9dica/id107392956> and Google Play: https://play.google.com/store/apps/details?id=com.biteca.biomedica&hl=es_CO

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.