

NIPER Guwahati

Wrissant



INSTITUTE HIGHLIGHTS

NIRF Ranking



NIPER Guwahati achieved 12th rank in the NIRF 2024 rankings released by the Ministry of Education, Govt. of India. This accomplishment reflects the hard work and dedication of the entire NIPER Guwahati community.

Dr. USN Murty, Director, NIPER Guwahati congratulated the faculty and staff, as well as students, alumni, and all well-wishers who have contributed to this achievement.

6 faculty in World's Top 2% Scientists' list

Dr. Sanjay K Banerjee, Associate Professor (Biotechnology), Dr. Amit Alexander, Associate Professor (Pharmaceutics), Dr. Vikas Anand, Associate Professor (Pharmaceutical Technology & Formulations), Dr. Subham Banerjee, Associate Professor (Pharmaceutics), Dr. Bidya Dhar Sahu, Assistant Professor (Pharmacology), and Dr. Saurabh Kumar, Assistant Professor (Medical Devices) were recognized among the world's top 2% scientists by Stanford University, USA, for 2024.



This prestigious recognition, based on data from Elsevier, highlights the outstanding contributions of these individuals to their respective fields.

Best Poster Award at National Conference

Mr. Intikhab Alam, a 2nd-year master's student, received the "Best Poster Presentation" award at the National Conference on Emerging Trends in Implants and Diagnostics (ETID-2024). The conference, hosted by the Dept. of Medical Devices (CoE) at NIPER Ahmedabad, was conducted on 1st-2nd February, 2024.



In this newsletter
you can expect:

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EMR Grants &
Patent
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Awards &
Recognitions

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COLLABORATIONS

MoU with AINU



NIPER Guwahati signed an MOU with the ASEAN-India Network of Universities (AINU) Consortium on April 3, 2024 to promote academic and research collaboration, including faculty and student exchanges, and joint research.

Dr. USN Murty, Director, NIPER Guwahati, signed the agreement with Dr. Abhay Kumar Singh, Vice Chancellor, Nalanda University, the nodal agency for AINU consortium, to enhance ties between India and ASEAN countries.

MoU with FFDC



An MOU was signed between NIPER Guwahati and the Fragrance and Flavour Development Centre (FFDC), Kannauj on May 8, 2024, to

collaborate on joint research, student initiatives, and workshops to advance fragrance and flavor development. The MOU was signed by Dr. USN Murty, Director NIPER Guwahati, and Dr. SV Shukla, Principal Director, FFDC Kannauj.

MoU with AGH University, Poland



On October 7, 2024, NIPER Guwahati and AGH University, Poland, signed an MOU to enhance academic and research collaboration through faculty and student exchanges, and joint research.

MoU with Dabur India

An MOU was signed between Dabur India and NIPER Guwahati on September 19, 2024, to collaborate on pharmaceutical R&D, focusing on novel dosage forms, drug development, and capacity building in Ayurveda.

This partnership aims to enhance research and innovation in traditional medicine.



Patent Information

Topical composition an method to prepare thereof

Inventor: Dr Naveen Chella
Application number:
202331083488

Process for preparation of 6-gingerol and ginger oleoresin powder from Zingiber Officinalis

Inventor: Dr. Pramod Kumar et al
Application Number :
TEMP/E-1/95367/2023-KOL

Nanomicellar Composition of Lithocholic Acid Tryptophan Conjugate and Preparation Methods Thereof

Inventor: Dr. VGM Naidu

EMR GRANTS

| SI No | Title | PI | Funding Agency | Duration | Amount Sanctioned (in Lakhs) |
|-------|--|-------------------------|----------------|----------|------------------------------|
| 1 | Shape-memory Responsive Cellulosic Composites(RCC) for 4D Printed Drug Delivery Devices | Dr. Subham Banerjee | CRG (SERB) | 03 Years | 53.62 |
| 2 | Evidence synthesis for lung cancer guidelines : conducting systematic reviews/meta-analyses. | Dr. Krishna Undela | ICMR | 01 years | 5.13 |
| 3 | Development of Quality standards of Elshotzia Species ands assessment of efficacy in Gastric Inflammatory Conditions | Dr. VGM Naidu | MoAyush | 01 years | 12.50 |
| 4 | Technical Resource Centre under the Centre of Evidence for Guidelines | Dr. Krishna Undela | MoH&FW | 01 years | 16.45 |
| 5 | Centre of Excellence on Phytopharmaceuticals & Herbal Products | Dr. Jagat Ch. Borah | COE | 01 years | 250.00 |
| 6 | Development of cell-free and Cell based assays to speed up Drug Discovery at North East Region | Dr. Sanjay Kr. Banerjee | DOP NER | 03 Years | 21.60 |

AWARDS & RECOGNITIONS

- Dr. Krishna Undela, Assistant Professor (Pharmacy Practice), was awarded the prestigious SARANSH (Systematic Reviews And Networking Support in Health) Grant. This grant will ensure advancing research capacity in the North East region is from the Dept. of Health Research (DHR), Ministry of Health & Family Welfare, Govt. of India. NIPER Guwahati is the only institute in Northeast India selected for this highly competitive grant. The grant provides up to Rs. 6 Lakhs to conduct high-quality, hands-on workshops on systematic reviews and meta-analysis.
- Dr. Krishna Undela, Assistant Professor in the Department of Pharmacy Practice, along with students Christy Thomas, Vismitha Varghese, Keerthi Raj, and Hasik P N, have been awarded scholarships by the International Society for Pharmacoepidemiology (ISPE). These scholarships will enable them to attend and present their research work at the ISPE's 16th Asian Conference on Pharmacoepidemiology in Tokyo, Japan.
- Mr. Prabakaran A and Mr. Tukaram Karanwad, Senior Research Fellows in the Department of Pharmaceutics, has been awarded International Travel Support by the Science and Engineering Research Board (SERB). This prestigious grant will enable the duo to attend the Controlled Release Society (CRS) 2024 Annual Meeting and Exposition in Bologna, Italy.

IN FOCUS

Central Animal Facility (CAF)

The new Central Animal Facility (CAF) at NIPERG has a state-of-the-art facility established around 11,00 sq. mt with a complete infrastructure to support the animal experimentations using specific pathogen-free (SPF) rodent research models which are required for drug discovery & development for the researchers of NIPER G/ other govt institutions/ universities, private industries located in the NE region.

The CAF is registered with the Committee for Control and Supervision of Experiments on Animals (CCSEA), Ministry of Environment and Forests, Government of India, New Delhi (Registration number:2069/GO/ReBiBt/S/19/CPCSEA, dated 28.07.2021).

All activities related to laboratory animal breeding and research at the NIPER G are performed per CCSEA, New Delhi, and in-house institutional guidelines under the supervision of the Veterinarian in charge and the direction of the Institutional Animal Ethics Committee (IAEC).

The Facility was established with financial support from the Ministry of DoNER and DoP.



EVENTS AT NIPER GUWAHATI

Seminars & Workshops

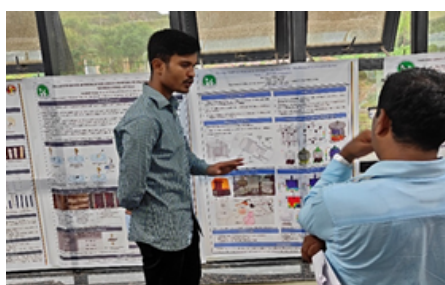
Computer-aided Drug Design Workshop

NIPER Guwahati conducted a hands-on workshop on Computer-aided Drug Design on 2nd & 3rd April 2024. Dr. (Ms.) Sakshi Bhardwaj, Ph.D. from the Altem Technologies Pvt. Ltd. took the sessions for the attending students and faculty members.



of students working their 2nd Year Final Project at NIPER-G, IIT-G and IASST-G presented posters on their respective topics.

The students presented posters based on prototypes developed by them under the Lab course Biomedical Devices Laboratory.



master's students of NIPER Guwahati, on various aspects of introductory statistics, data visualization, industrial problem solving, experimental design (DoE), and QbD techniques during the program held on 1st - 2nd August 2024.

Dr. Muralidhara Anandamurthy from JMP Global Team at Bengaluru conducted the session for the participants.



Hands-on Training on Next Gen Sequencing

ATAL Incubation Centre (AIC) NIPER Guwahati Foundation organized a hands-on training session on Next Generation Sequencing Principle, Chemistry and Analysis on 10th April 2024. The session was led by Dr. Bhabatosh Das, a professor at the Translational Health Science and Technology Institute (THSTI).

Workshop on Biostatistics and R language

A 3-day workshop on Biostatistics and R language was conducted on 27th - 29th April 2024. Dr. Krishna Devulapalli, a subject matter expert from iSpace INC., New Jersey took the sessions where students were taught the concepts of statistics and practiced statistical analysis using R tool.



Role of IP

NIPER Guwahati conducted a seminar on the role of IP in advancing innovation in India; The Impact of Intellectual Property on 30th April 2024. External experts from Patanjali and ICRISSAT-Hyderabad took the sessions innovation and intellectual property rights.

Legal and Regulatory Framework on Environment Protection



AIC NIPER Guwahati Foundation organized a virtual session titled "The Legal and Regulatory Framework for Environment Protection in India," featuring esteemed speaker Dr. Kameswar Rao AV, Vice President - EHS at Stelis Biopharma Ltd on 5th June 2024.

Workshop on Statistical Discovery for Pharma Sciences using JMP

Hands-on Training was provided to 32 participants, including faculty members, Ph.D. Scholars, and

Workshop on Pharmaceutical Additive Manufacturing (PAM)

The two-day workshop conducted on 23rd - 24th August 2024 showcased various 3D printing platform technologies related to pharmaceutical applications including exciting lectures with hands-on labs to focus on practical learning and skills cum entrepreneurship development.



Facility visit and Training Program

One-day facility visit and training program under SERB-sponsored scientific social responsibility (SSR) held on August 30, 2024 at NIPER Guwahati, Assam, India.



Poster Presentation

Dept. of Medical Devices conducted a poster presentation on Current Trends in Research and Innovation in Medical Devices on 27th April 2024. The M.Tech 2022 - 2024 batch

Other Events

World Environment Day

NIPER Guwahati celebrated World Environment Day on 5th June, 2024, by organizing a plantation drive to promote environmental sustainability and raise awareness about the importance of green spaces. The event was graced by Dr. USN Murty, Director, along with the Heads of Departments (HoDs), faculty members, staff, and students.



Press Meet

A press meet was conducted on 6th June, 2024, to announce the successful accreditation of the Medical Device Testing and Calibration Facility (MDTF) by the National Accreditation Board for Testing and Calibration Laboratories (NABL). Journalists from the national and regional media houses attended the meet.



International Yoga Day

International Yoga Day was observed on June 21, 2024 with a special session by the reputed Yoga Expert Ms. Mridula Lahkar. The event was graced by Dr. USN Murty, Director, along with the Heads of Departments (HoDs), faculty members, and staff.

A total of 50 participants took part in the yoga session, promoting physical and mental well-being through various yoga practices.



Workshop on Solid Waste Management

A workshop on Solid Waste Management was held to commemorate International Plastic Bag Free Day on 3rd July, 2024. The workshop featured esteemed speaker Mr. Tanu Sonowal, Senior Manager at Feedback Foundation elaborated on effective ways to segregate waste and emphasized the importance of creating mass mobilization and behavioral change in society to achieve a clean and green earth.



NIPER JEE 2024 physical counselling

NIPER Guwahati successfully conducted the NIPER JEE 2024 Physical Counselling from 14th to 24th July, 2024 for NIPER JEE qualified candidates from across the country. The event saw participation from nearly 5000 candidates, who received personalized guidance and counseling.



Orientation program for 2024-25 batch

An orientation program on 5th August, 2024, to welcome the newly joined students and their parents for the 2024-25 academic year. The event was attended by Dr. USN Murty, Director, along with all faculty members.

HoDs and in-charges of the departments took introductory sessions for the newly-joined students.



78th Independence Day celebration

The 78th Independence Day was celebrated on 15th August, 2024, marking a momentous occasion of national pride. The event was attended by professors, faculty, staff, students, and the residents' families of quarters. Dr. USN Murty, Director, hoisted the national flag and addressed to the attendees.

A total of 400 participants gathered to honor the significance of India's independence. The celebration included a flag hoisting ceremony and speeches that highlighted the country's progress and achievements over the years.



Updates from Knowledge Resource Centre

KRC Services in Highlights

- KRC added a total of 338 books to its collection to strengthen its physical book collection catering to different academic needs and requirements of departments of NIPER Guwahati.
- Patron alert services in Koha ILMS: KRC started patron alert services in its ILMS automated services so that users can receive email alerts about their circulation activities (check-in/check-out/reminder renewal, etc.) and alerts related to procurement of recommended books.
- As a part of this Online renewal can be possible at its OPAC page: <https://niperguwahati-opac.l2c2.co.in/>
- As a member of NIPER e-journal consortium, NIPERG added subscription and access to different e-resources. The details of resources are as follows:

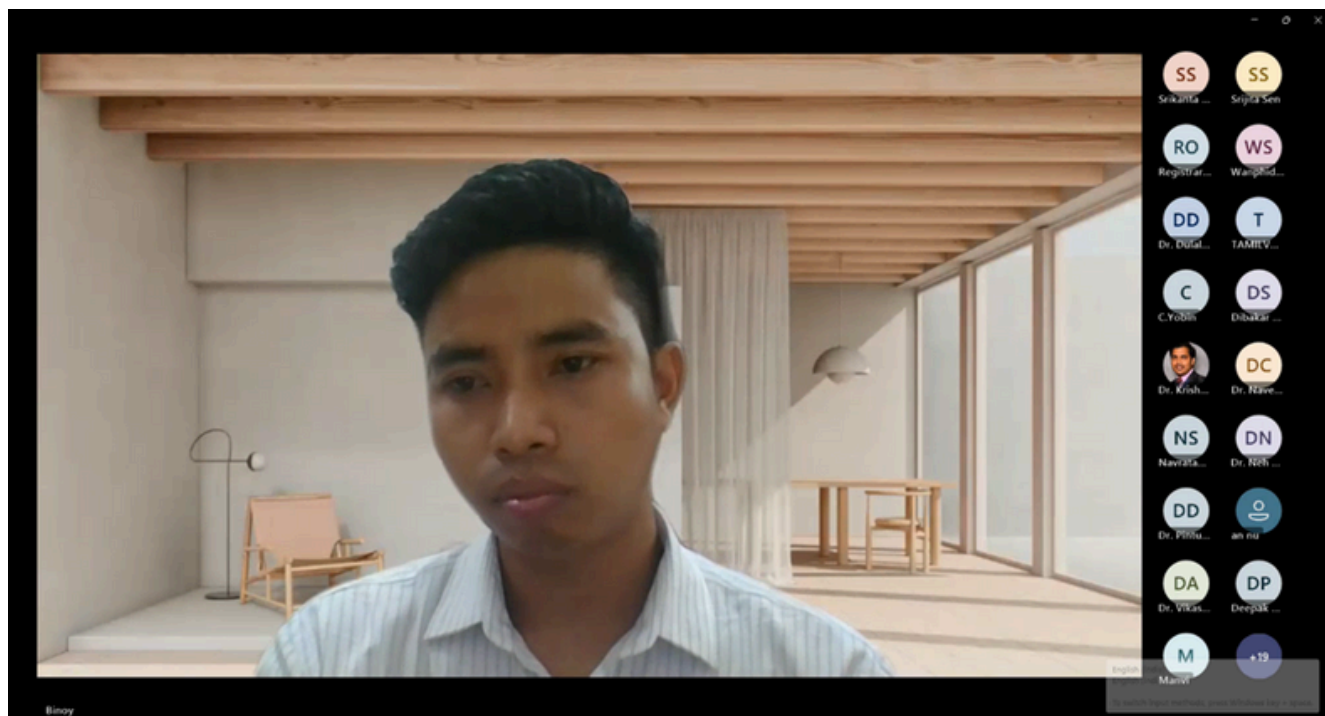
| Name of Resource | In details | Access site |
|----------------------|---|---|
| Science Direct | Total 84 journals- Pharmacology and Toxicology collection | https://www.sciencedirect.com/ |
| ACS journals | 64 journals | https://pubs.acs.org/ |
| RSC Gold collections | 37 journals | https://pubs.rsc.org/ |
| Reaxys Database | - | https://www.reaxys.com/ |

- NIPER Guwahati is a part of Shodhganga, the largest repository of thesis in India. NIPERG added four phd scholar research works to its Shodhganga thesis collection. NIPERG thesis collection can be accessed at <https://shodhganga.inflibnet.ac.in/handle/10603/410815>
- KRC started giving access to USP-NF Online (44th edition) with single-user license.
- KRC gave a trail access of KNIMBUS for remote access and single point access to all its subscribed resources.

Events by KRC

| Event Details | Outcome |
|--|--|
| <p>Title: Author Workshop cum User Awareness Session by Elsevier</p> <p>Date: 29th August 2024</p> <p>Participants: All Students, staff and Faculty members attended online</p> | <p>The Workshop focused on two main areas: a product evaluation and a demonstration of the tool to the community of NIPER, Guwahati.</p> <p>i. Product Evaluation: During the product evaluation, the participants will be given an overview of Grammarly's features and how they can be used to improve the quality of their Academic and Research writing.</p> <p>ii. Demo: The participants will be given a demonstration of how Grammarly can be used to improve research writing and publication output.</p> |
| <p>Title: Author Workshop cum User Awareness Session by Elsevier</p> <p>Date: 29th August 2024</p> <p>Participants: All Students, staff and Faculty members attended online</p> | <p>This workshop aims to support researchers in enhancing their academic writing and publishing skills. The topics covered include Identifying Research Issues, Understanding Publishing Workflow and Editor's Mindset, The Value of Research Metrics, Identifying High-Impact Journals, Writing a Good Research Manuscript, Increasing Research Visibility, and User Awareness.</p> <p>This workshop was beneficial for our faculty and Research Students specially, & Researchers helping them navigate the complexities of academic publishing.</p> |

| Event Details | Outcome |
|---|---|
| <p>Title: Online training cum Demo session on KNIMBUSr</p> <p>Date: 15th April 2024</p> <p>Participants: Online training for all NIPERs</p> | <p>The demo and training program was organized by NIPER Kolkata (mentoring institute for all NIPER E-journal consortium). The training focuses on how best Knimbus can be used to search and access to all the subscribed and selected open-access e-resources any time any where. Knimbus also facilitates federated searching of e-resources across the various publishers.</p> |
| <p>Title: Niper E-consortium “Accelerate your research with Reaxys” online training</p> <p>Date: 18th April 2024</p> <p>Participants: Hybrid Session</p> | <p>The training session covers a comprehensive overview of the Reaxys database and its capabilities. Reaxys is a chemistry database that provides access to a vast collection of chemical data, including reactions, compounds, and substances. During a training session, users learn how to navigate the database, search for specific information, and apply filters to refine their search results. Topics covered in the session include advanced search techniques, structure searching, reaction searching, and data analysis. The session aims to equip users with the skills necessary to effectively utilize Reaxys for research and experimentation.</p> |
| <p>Title: Online training on use of Scifinder</p> <p>Date: 2nd to 30th August 2024</p> <p>Participants: Hybrid Session</p> | <p>CAS organized a SciFinder Webinar series which covers including a demo, QnA, and quiz contest regarding Scifinder database. KRC coordinated amongst NIPERG students and faculty to attend the session. In one of quiz contest, Anurag Saini , medicinal chemistry students was the winner</p> |



IMPROVING RESEARCH AND ACADEMIC WRITING USING GRAMMARLY: 9TH MAY 2024

STUDENTS' CORNER

Placement Highlight 2023-24

| |
|--|
| Total Students Graduated 143 |
| Number of Students Placed 84 |
| Median Salary of Placed Graduates 4.2 LPA (Lakhs per Annum) |
| Highest Salary Package Offered 11 LPA (Lakhs per annum) |
| Number of Students Opting for Higher Education 59 |

| Academic Year | No. of Students Graduated | No. of Placed Students | Median Salary of Placed Graduates (in Rs.) | Highest Package (Amount in Rs.)* | No. of Students opted Higher Education |
|---------------|---------------------------|------------------------|--|----------------------------------|--|
| 2023-24 | 143 | 84 | 4.2 LPA | 11 LPA | 59 |
| 2022-23 | 120 | 79 | 4.5 LPA | 8 LPA | 41 |
| 2021-22 | 100 | 65 | 4.5 LPA | 8 LPA | 35 |
| 2020-21 | 70 | 44 | 4.4 LPA | 7.7 LPA | 26 |

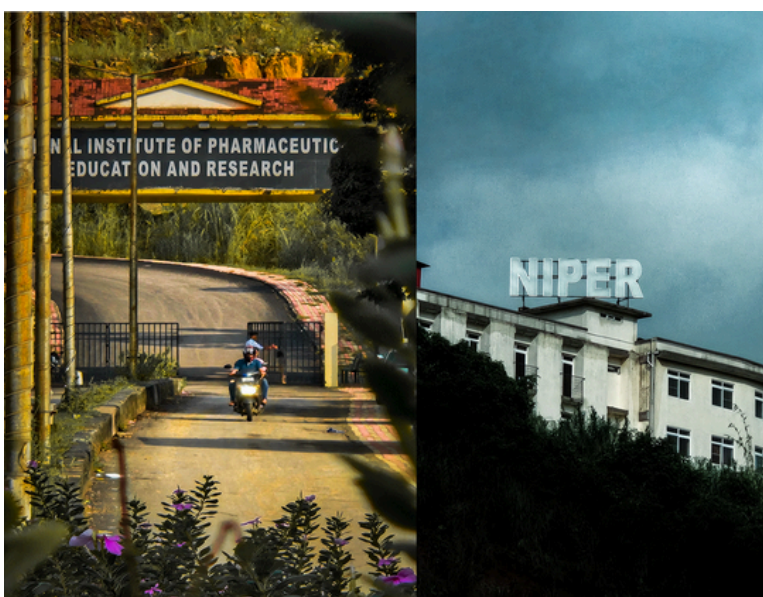
Prominent Recruiters



Internships

NIPER Guwahati students secured Internships at organizations such as CSIR, THSTI, Biocon, Micro Labs, Serum Institute of India, Emami, Viatris, Indian Institute of Chemical Sciences Hyderabad etc.

Creative Corner



Majestic Entrance of NIPER Guwahati Nestled Amidst the Mountains: Captured by Mohit Gaddam, M.Pharma, Pharmaceuticals Department, NIPER Guwahati.

किसी और की नज़र से दुनिया देखना,
खैर,
कभी मुनासिब तो नहीं होगा।
गर कभी हो सके,
तो एक बार
उनकी ऐनकें उतार कर पहन लेना।
जिनके अहम को हर रोज़ कुचला जाता है,
जिनके कंधे कहीं-कहीं से झुके से लगते हैं।
उनकी ऐनकें तुम ज़रूर पहनना,
जिनके तुम गुरूर हो।
शायद उस दिन तुम समझ पाओगे
कितना मुश्किल है जीना।
कैसे कोई जीता है इसे,
कैसे कोई हर सुबह मुस्कान लिए उठता है,
कैसे उन्हें रात की नींद,
नींद सी लगती है।।
-त्वष्टा

"Eloquence in Verse: A moving poem by Vikas Tiwari, also known by his pen name 'Tvashtaa'(त्वष्टा)' a fifth-year PhD student from the Department of Biotechnology at NIPER Guwahati."



"Golden Serenity: As the sun sets over Guwahati, it bathes the verdant landscape in a warm, amber glow. - Captured by Fayiz Ul Haq, PhD student, Department of Medical Devices



बढ़ते कदम, न रुकने वाले,
शौर्य के दीप जलाने वाले।
शटल उड़े, रैकेट गरजे,
जीत की राह खुद ही तरसे।
तीन विजय, सम्मान मिला,
मेहनत का यह इनाम मिला।
कोर्ट पे गरजा, दिल में जोश,
सपनों को पूरा करने का होश।
खेल का जुनून, यह दिल में रहेगा,
हर मैच में फिर से दम दिखेगा।
रखो भरोसा, न हार मानो,
खुद को फिर से विजेता बनाओ!

"Victory and Verses: Sangam Mahobiya from the Department of Pharmacy Practice dazzles as the Badminton champion (doubles & mixed) in Sports Week. A master of both shuttle and verse, Sangam's poetry and athletic prowess light up NIPER Guwahati."

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Published by Institutional Newsletter & Outreach Committee,
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