



Date 22-07-2023

Advertisement No. IITR/2/2023

Date of Commencement of Online Registration for Applications	: 01-08-2023 from 10:00 AM
Last date for filling Online Registration of Applications	: 31-08-2023 till 5:30 PM
Last date for submitting the Completed Application on Portal	: 05-09-2023 till 5:30 PM

**“ Hard Copy of Application Shall not be accepted”**

### **A unique opportunity for research career in Science & Technology**

CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), was established on November 4, 1965. It is the only institute of toxicology in the country contributing towards cutting-edge research and innovation in toxicology with the motto: “Safety to Environment and Health and Service to Industry”. CSIR-IITR works on the “Institution First” policy and encourages its team members to develop mega inter- and intra- institutional projects having translational values, societal impact and institutional image building.

CSIR-IITR has stronghold in the R&D domains of FEST (Food, Drug & Chemical, Environment and Systems Toxicology), ASSIST (Analytical Sciences & Services, Industrial Support through Technological Solutions) and REACT (Regulatory and Computational Toxicology, Epidemiology and Bio-statistics). While FEST comprises of all basic R&D laboratories, ASSIST has the industry support laboratories including the translation centres and knowledge marketing services. The labs associated with GLP and NABL testing services come under the umbrella of REACT.

CSIR-IITR has world class infrastructure and human resources in toxicology and providing one stop solution to address environment and health issues. Around six decades of contributions in the field of toxicology have globally positioned CSIR-IITR in various aspects of toxicology. CSIR-IITR has been at the forefront towards contributing to the research for policy and has provided inputs towards many policy documents, guidelines, and BIS/ISO standards. CSIR-IITR also provides a healthy innovation ecosystem through its “*Technology Development and Innovation Centre*” supported by BIRAC-BioNEST and DSIR-CRTDH. Scientists constantly interact with the industry to solve their problems through innovative technological solutions. To know more about the Institute please visit <http://iitrindia.org>.

Applications for following scientific positions are invited from enthusiastic, young Indian researchers having excellent academic record and proven scientific achievements along with requisite experience and a high degree of motivation and desire to take up research as a career in the above-mentioned areas.

The details of the positions and the respective emoluments as well as age limit as per norms are given below:

Designation	No. of Posts & Reservation	Pay Matrix Level	*Total Emoluments	**Upper Age Limit not exceeding as on last date of online registration
Scientist	09 (UR =04, PwBD = 01 UR SC =02, OBC =01, EWS=01)	Pay Matrix Level-11	Rs.1,15,548/-	32 years
Senior Scientist	02 (UR)	Pay Matrix Level-12	Rs. 1,32,864/-	37 years
Principal Scientist	01 (UR)	Pay Matrix Level-13	Rs. 2,01,972/-	45 years

\* Total Emoluments means approximate total emoluments on minimum of scale including House Rent Allowance in Lucknow City.  
\*\* Please see age relaxation under "Relaxation column".

**(A): Entry Level Posts**

Post code /Reservation Status & Area	Pay Level	No. of Posts /Age limit not exceeding	Essential Educational Qualifications & Experience	Desirable Qualification	Job requirements/ specification
PC-01 01-UR Area: Biostatistics	11	Scientist No of posts: 01  Age limit: 32	PhD submitted in Bio-Statistics  Or PhD submitted (Engineering/ Sciences/Statistics/ Mathematics/ Bioinformatics) with specialization in bio-statistics.	The candidate should have sound knowledge and experience of most contemporary tools, techniques and approaches available for bio-statistical / epidemiological analysis. He/ She should have research experience in the above-mentioned areas as evident from relevant publications in the SCI Journals.	The selected candidate is expected to work with other scientists in data analysis using modern medical statistical tools, and to strengthen on-going research programs in the area of toxicology. Provide guidance to colleagues and collaborators on study design, sampling, analysis and interpretation of study findings and write scientific reports. Knowledge of statistical / epidemiological packages such as SPSS/ Unscrambler/ Statistical/ SAS/ Origin/ Open epi, etc. is essential. Besides, the candidate is also expected to develop new statistical analysis tools, database management systems depending on the requirement of the projects, etc.

<p><b>PC-02</b> <b>UR-01</b> <b>Area: IT &amp; HPC, Toxico - informatics</b></p>	<p>11</p>	<p><b>Scientist</b> No of Post: <b>01</b>  Age limit: 32</p>	<p>ME/MTech (Computer Science/Information Science/Information Technology)  OR  PhD (Science/Engineering) submitted with specialization in Computer Sciences/Information Sciences or Information Technology</p>	<p>Proven experience in database design, AI, ML, Big data and web application software design &amp; development on .NET/MS-SQL/C# platform and web hosting/ experience in high-performance computing is essential. He/ She should have experience of hardware and network architecture.</p>	<p>Lead institutional R&amp;D programmes by providing consistent efforts on software design and development and programming and HPC &amp; computing resource management.</p>
<p><b>PC-03</b> <b>EWS-01</b>  <b>Area: Molecular Toxicology</b></p>	<p>11</p>	<p><b>Scientist</b> No of Post: <b>01</b>  Age limit: 32</p>	<p>PhD submitted in Biochemistry/ Biotechnology/ Life Sciences/ Molecular Biology/Agricultural or Animal Sciences incl. Fisheries with specialization in Plant/ Animal metabolites and/or Genome/ Proteomic analysis</p>	<p>The candidate should have proven hands-on experience of handling, data interpretation and practical knowledge of proteomic and genomic data for the experimental studies. He/ She should have experience of handling and analysis of genomic and proteomic data sets to generate scientifically sound conclusions as evident by research publications in the relevant research area.</p>	<p>The selected candidate will be part of research group working extensively on genomic and proteomic data interpretations for toxicity studies using both <i>in vitro</i> and <i>in vivo</i> experimental models.  It is expected that the candidate will design the experiments, execute them and interpret the genomic and proteomic scientific data to reach the conclusion. Besides the core R &amp; D activities, the candidate will also render the expert services to scientists working in other research groups in the institute.</p>
<p><b>PC-04</b> <b>SC-01</b>  <b>Area: Molecular Toxicology</b></p>	<p>11</p>	<p><b>Scientist</b> No of Post: <b>01</b>  Age limit: 32</p>			



<p><b>PC-05</b> <b>UR-01</b> <b>Area:</b> <b>Development of New Test Systems and/ models to assess toxicity including ecotoxicity</b></p>	11	<p><b>Scientist</b> No of Post: <b>01</b>  Age limit: 32</p>	<p>PhD. Submitted in Biological Sciences/Biochemistry/ Fisheries/ Marine Biology/ Life Sciences with specialization in ecological modelling/ecotoxicity testing</p>	<p>Working experience in GLP certified test facilities to conduct and report environmental toxicity studies in aquatic and terrestrial model systems as a part of regulatory requirements from industries is desired.</p> <p>He/ She should have R&amp;D knowledge on the impact of xenobiotics on aquatic and terrestrial model systems including algae, daphnia, zebrafish, earthworm and maintenance and conducting toxicity bioassays as per US EPA and OECD guidelines.</p>	<p>The selected candidate is required to conduct R&amp;D work towards safety assessment of new chemical entities on aquatic and terrestrial model systems. He/ She is required to carry out toxicity bioassays in aquatic and terrestrial model systems (algae, daphnia, zebrafish, earthworm, honey bee and Japanese quail) as per US EPA and OECD guidelines under GLP compliant conditions as a part of industry-research institute interface.</p>
<p><b>PC-06</b> <b>SC-01</b> <b>Area:</b> <b>Development of New Test Systems and/ models to assess toxicity including ecotoxicity</b></p>	11	<p><b>Scientist</b> No of Post: <b>01</b>  Age limit: 32</p>	<p>PhD. Submitted in Biological Sciences/Biochemistry/ Fisheries/ Marine Biology/ Life Sciences with specialization in alternate models to animal testing</p>	<p>The candidate should have the ability to work independently and as a team member in projects of national importance. Research experience in the above-mentioned areas should be evident from relevant publications in the SCI Journals.</p>	

<p><b>PC-07</b> <b>01- *UR (PwBD)</b> <b>Area:</b> <b>Development of New Safety Test Systems and Models</b></p>	11	<p><b>Scientist</b> No of Post: <b>01</b> Age limit: 32</p>	<p>PhD submitted in Biomedical Science /Biomedical Engineering or PhD submitted in Chemistry/ Bio Chemistry with specialization in Methods and/or Device Development / development of alternate models to animal testing</p>	<p>Experience in designing/developing rapid point-of-need kits/biosensors/immune sensor devices for detection / determination of various analytes.  The candidates will be given preference those with experience of developing and commercializing devices/test kits.</p>	<p>The candidate is expected to design and develop the rapid point of need kits/methods/sensors/assays etc. based on the R&amp;D driven programmes. He/She will also team with other scientists to translate the work into devices/methods and also run independent projects as needed by the Institute.</p>
<p><b>PC-08</b> <b>01-OBC</b> <b>Area:</b> <b>Development of New Safety Test Systems and Models</b></p>	11	<p><b>Scientist</b> No of Post: <b>01</b> Age limit: 32</p>	<p>PhD submitted in Biomedical Science /Biomedical Engineering or PhD submitted in Chemistry/ Bio Chemistry with specialization in Methods and/or Device Development / development of alternate models to animal testing</p>	<p>Experience in designing/developing rapid point-of-need kits/biosensors/immune sensor devices for detection / determination of various analytes.  The candidates will be given preference those with experience of developing and commercializing devices/test kits.</p>	<p>The candidate is expected to design and develop the rapid point of need kits/methods/sensors/assays etc. based on the R&amp;D driven programmes. He/She will also team with other scientists to translate the work into devices/methods and also run independent projects as needed by the Institute.</p>
<p><b>PC-09</b> <b>UR-01</b> <b>Area: Human Resource Development, Capacity Building and International Relations</b></p>	11	<p><b>Scientist</b> No of Post: <b>01</b> Age limit: 32</p>	<p>ME/M Tech in Biological/ Chemical Sciences/ Chemical Engineering/ Bio-engineering/ Bio-technology  OR B.Tech/M.Sc in Biological/ Chemical Sciences/ Zoology/ Botany/ Chemistry/ Biochemistry/ Environmental Sciences with post graduate degree in Intellectual Property law; (1<sup>st</sup> Class or 60% on an aggregate or equivalent GPA).</p>	<p>Working experience in the field of human resource / quality management in biological research laboratory is essential. Candidates with knowledge of advanced computer systems for documentation, planning and implementation of programmes or with experience in resource mobilization for HR/capacity building programs from national/international agencies will be preferred.</p>	<p>The selected candidate is expected to coordinate, plan and effectively implement R &amp; D schemes / projects / programmes with the mandate of CSIR and CSIR-IITR and link with industries. He/ She is expected to co-ordinate training programmes / workshops and interdisciplinary activities related to capacity building for GLP/ NABL/FSSAI or state of art HR international/ national strategies as per requirement. The candidate is expected to put efforts in human resource and assigned responsibilities from time to time.</p>

**\*Reserved for Persons with Benchmark Disabilities (Deaf and hard of hearing)**

**(B): Lateral Level**

Post code /Reservation Status	Pay Level	No. of Posts /Age limit not exceeding	Essential Educational Qualifications & Experience	Desirable Qualification	Job requirements/ specification
<b>PC-10</b> <b>UR-01</b> <b>Area:</b> <b>Epidemiology</b>	13	<b>Principal Scientist</b>  No of Post: <b>01</b>  Age limit: 45	MBBS and PhD (Sciences/Biochemistry/ Biomedical Sciences/Microbiology) with specialization in epidemiology/occupational health assessment with 03 years' experience in epidemiological work or health risk assessment <b>OR</b> MD (Microbiology/Biochemistry/PSM/Epidemiology) with 05 years' experience in epidemiological work or health risk assessment	(i) Experience in Epidemiological/ Occupational Studies as evident by publications in SCI journals in the relevant area  (ii) Published policy documents accepted by National/International agencies is essential.  (iii) Handling of large volume of data with knowledge in statistical tools.  (MS/DNB or equivalent degree recognized by MCI in Public Health/Community Medicine/PSM/Medicine with 05 years experience in epidemiological studies or health risk assessment.	To lead the dynamic team engaged in the research and development programmes in the field of Epidemiology/ Occupational Toxicology. He/ She should be capable of independently designing and executing experiments and analysis of results in the field of Epidemiology/ Occupational Toxicology/ Community Medicine.
<b>PC-11</b> <b>UR-01</b> <b>Area:</b> <b>Epidemiology</b>	12	<b>Sr. Scientist</b>  No of Post: <b>01</b>  Age limit: 37	MBBS and PhD (Sciences/Biochemistry/ Biomedical Sciences/Microbiology) with specialization in epidemiology/occupational health assessment <b>OR</b> MD (Microbiology/Biochemistry/PSM/Epidemiology) with 03 years' experience in epidemiological work or health risk assessment	(i) Experience in Epidemiological/ Occupational Studies as evident by publications in SCI journals in the relevant area  (ii) Published policy documents accepted by National/International agencies is essential.  Handling of large volume of data with knowledge in statistical tools.  (MS/DNB or equivalent degree recognized by MCI in Public	To lead the dynamic team engaged in the research and development programmes in the field of Epidemiology/ Occupational Toxicology. He/ She should be capable of independently designing and executing experiments and analysis of results in the field of Epidemiology/ Occupational Toxicology/ Community Medicine.

				Health/Community Medicine/PSM/Medicine/Biochemistry/Microbiology with 03 years experience in epidemiological studies or health risk assessment.	
<b>PC-12 UR-01 Area: R&amp;D Planning, Project Management and Business Development including Incubation Facilities</b>	12	<b>Sr. Scientist</b> No of Post: <b>01</b>  Age limit: 37	(i)B.Tech (Biotech/Biomedical Engineering/Medical Biotechnology) with MBA (Marketing/Biotech Management/Human Resources/ Public Relations / Mass communications / Finance / International Relations) <b>OR</b> (ii) MSc with MBA (Marketing/Biotech Management/Human Resources/ Public Relations / Mass communications / Finance / International Relations) <b>and</b> 3 years' experience in R&D Planning, Project Management and Business Development including resource mobilization for Incubation Facilities <b>OR</b> Ph.D (Science) with 2 year experience in R&D Planning, Project Management and Business Development including resource mobilization for Incubation Facilities	The candidate should have experience in planning, project management, translation of knowledgebase into industry deployable technologies, catalysing industry linkages and enhancing revenues. Experience and knowledge in start-up's, operation and modalities of running incubation centres/facilities would be an added advantage. Candidate with MBA (Marketing) degree will be preferred.	The selected candidate would be expected to be part of Institute's project management and business teams to catalyze efforts towards revenue generation, preparation of reports and plan documents and facilitate identification and incubation of high potential innovative ideas/knowhow for commercial exploitation. He/ She would be expected to coordinate with different scientific groups for collection, collation and preparation of scientific reports/ annual plan documents.

**UR: Unreserved; SC: Scheduled Caste; OBC: Other Backward Class; EWSs: Economically Weaker Sections.**

**C: General information and conditions: -**

**1. Benefits under Council service:**

- a. These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the central government employees and as made applicable to CSIR. Council employees are also eligible for accommodation of their entitled type as per CSIR allotment rules depending on availability in which case HRA will not be admissible.



- b. In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension System, reimbursements of Medical Expenses, Leave Travel Concession and House Building Advance are available as per CSIR rules.
- c. Scientists in CSIR are also permitted to undertake consultancy and sponsored R&D project activity. These activities give them scope to earn consultancy fee and honorarium as per CSIR guidelines governing these activities. Opportunities also arise for foreign deputations for training/presentation of papers/specific assignments etc.
- d. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.
- e. Deserving candidates may be considered for advance increment as per CSIR Rules.

## **2. Other conditions**

- a. The applicant must be a citizen of India.
- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of submission of online applications i.e. **31-08-2023 up to 5:30 PM**. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of submission of online applications i.e. **31-08-2023 up to 5:30 PM**. No enquiry for advice as to eligibility will be entertained.
- c. The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates for shortlisted and to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over & above the minimum prescribed qualification and upload the supportive documents in the application form. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification.
- d. The prescribed qualifications should have been obtained through recognized Universities/Institutions etc. Incomplete applications are liable to be rejected.
- e. In respect of equivalent clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting/ guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- g. If any document/ certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted officer or notary is to be uploaded.
- h. The date for determining the upper age limit, qualifications and /or experience shall be the closing date prescribed for submission of online application i.e. **31-08-2023**
- i. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Post.
- j. Persons with disabilities (PwD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.
- k. Only outstation candidates called and found eligible for interview will be paid to and fro single second-class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Lucknow Railway Station on production of Rail Tickets/Rail Ticket Numbers or any other proof of journey performed within India. Candidates who are already in the service of the Central/State Govt., a Central/State Govt. Corporation, Public Sector undertaking, local Govt. Institution or Panchayat called for Interview will not get T.A.
- l. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- m. Applicants with any instances of retractions, either before/during application process or after applying, their candidature shall not be considered.
- n. The decision of the IITR/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination/interview will be final and binding on the candidates.
- o. Canvassing in any form and / or bringing any influence political or otherwise will be treated as a disqualification for the post.
- p. *No Interim Enquiry Or Correspondence Will Be Entertained.*
- q. Candidates applying for the above posts are advised to visit the website [www.iitrindia.org](http://www.iitrindia.org) regularly for latest updates.
- r. Admit Card can be download from institute website only.
- s. **For any Technical issue relating for filling online application, candidates may inform at [nikhil@iitr.res.in](mailto:nikhil@iitr.res.in) and for any administrative issue please inform at [so.recruit@iitr.res.in](mailto:so.recruit@iitr.res.in)**
- t. Wherever two or more candidates have secured equal aggregated marks, the tie may resolved in accordance with the order of precedence given below (ascending order), till tie is resolved (Order of preference):
  - i) Date of Birth, with older candidate place higher.
  - ii) Candidate acquiring Essential Degree earlier placed higher.
  - iii) Alphabetical order in which first names of the candidates appear.

**3. Relaxations :**

- a. The upper age limit is relaxable up to 05 years for SC/ST and 03 years for OBC as per Government orders in force only in those cases where the post is reserved for respective categories, on production of relevant certificate in the prescribed format signed by the specified authority at the time of interview.
- b. Upper age limit is also relaxable up to five years for the regular employees working in CSIR laboratories / institutes, Government Departments, autonomous bodies and public sector undertakings.
- c. As per GOI provisions, age relaxation for Widows, Divorced Women and Women Judicially separated from Husbands, the upper age limit is relaxable up to the age of 35 years (up to 40 years for members of Scheduled Castes/Scheduled Tribes in respect of the posts reserved for them) for Widows, divorced Women and Women Judicially separated from their Husbands who are not remarried. The persons claiming age relaxation under this sub-para would be required to produce following documentary evidence:
  - i) In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
  - ii) In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgment/decree of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an Affidavit in respect of divorced Women and they have not remarried since.
- d. Age relaxation to Physically Handicapped (PH) persons: Age relaxation of 10 years is allowed (total 15 years for SCs/STs and 13 years for OBCs in respect of the posts reserved for them) to blind, deaf-mute and orthopedically handicapped persons for appointment to Group 'A' posts/services. The persons claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40% or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group 'A' posts to be filled by Direct Recruitment by Selection.
- e. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and/ or experience are not available to fill up the posts.
- f. Any other Age relaxation shall be applicable as per extant GoI/ CSIR Recruitment Rules.

**4: How to apply**

- a. Candidates can apply through online portal, link of which will be available on CSIR-IITR website <http://iitrindia.org/En/Recruitment.aspx> from **01-08-2023 at 10:00** am onwards and closes on **31-08-2023 up to 5:30 PM**.. It is mandatory to take the print out of the successfully submitted online application form, sign the same and attach the self attested mandatory documents & Photo and keep it for submission as and when asked for.
- b. Candidates are required to pay application fee of Rs.500./- as per " Fee payment procedure" available on the website.
- c. The candidates belonging to SC/ST/PwD/Women/Regular CSIR Employees/Ex-servicemen/ Abroad candidates are exempted from payment of application fee.
- d. Candidate is required to upload his/her recent passport size scanned colour photograph, signature each (max size 50 KB) and also relevant certificates at the specified places in the online application.
- e. Candidates should keep a copy of the application print – out and payment details, if any , for their record.
- f. Fee once paid will not be refunded on any account nor can it be held in reserve for any other recruitment of selection process.
- g. A candidate can apply for multiple post codes subject to fulfilling all eligibility conditions attached to each individual post code. However, candidate needs to fill the application (except primary/registration details) with the requisite application fee separately for each post code.
- h. Candidates applying for more than one post must submit separate application form for each post indicating the Code No. of the post.
- i. Candidates are advised to keep the application form generated after online submission, with themselves along with all copies of the requisite certificates, mark sheets, age proof, education qualifications, experience, re-prints of publications and caste certificate, if applicable, and produced the same whenever asked by the CSIR-IITR to do so.

- j.** Applications from Employees of Govt. Departments will be considered only if forwarded through proper channel along with vigilance clearance certificate certified by their employer that the applicant will be relieved within one month of the receipt of the appointment orders, if selected. However, advance copy of the application may be submitted before the closing date. Application routed through proper channel should reach CSIR-IITR, Lucknow within 15 days from the last date prescribed for receipt of applications otherwise online application will be rejected. NOC must be submitted at the time of interview.
- l.** Incomplete applications (i.e., without photograph, unsigned and applicable testimonials etc.) will not be entertained and will be summarily rejected.

**Kindly ensure to upload the following documents with online application form, failing which application will not be considered:**

- a. Proof for remittance of application fee paid through SBI collect (E- Receipt/Transaction reference), wherever applicable.
- b. Recent Passport size Colored Photograph at prescribed space.
- c. Self-Attested photocopy of 10<sup>th</sup>/12<sup>th</sup> certificate indicating Date of Birth.
- d. Self Attested photocopies of educational qualification certificates as well as mark sheets.
- e. Self Attested photocopy of caste certificate or any certificates, if applicable.
- f. Self Attested photocopies of experience certificates, if any.
- ~~g.~~ Recommendations of the referees, if any-
- h. All other supportive documents in support of the application.

**Administrative Officer  
CSIR-IITR, Lucknow**

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