CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH (Council of Scientific & Industrial Research) Mahatma Gandhi Marg, Post Box No.80, Lucknow-226001 (U.P.)

Advertisement No.1/2013

Last Date for Submission of online applications is June 15, 2013 up to 5:00 PM

A Unique opportunity for research careers in Science & Technology

The Indian Institute of Toxicology Research (IITR), Lucknow, a premier institute under the Council of Scientific and Industrial Research (CSIR) is involved in multidisciplinary R&D programmes of both basic and applied nature across scientific disciplines for economic, environmental and societal benefits for the people of India. IITR, Lucknow engaged in the areas of Environmental Toxicology, Food, drug and chemical toxicology , Systems Toxicology & Health Risk Assessment, Regulatory toxicology, Nanotherapeutics & Nanomaterial Toxicology and also National S&T Missions. IITR has two campuses; the main campus is located at the centre of Lucknow City and the other campus at a distance of approx. 20 km from the main campus.

Applications for various 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.

Designation	No. of Posts	Pay Band	Grade Pay	*Total Emoluments	**Upper Age Limit not exceeding as on June 15, 2013
Scientist	04 posts are reserved for OBC 02 posts are reserved for SC	Rs.15600-39100 (PB-3)	Rs.6600/-	Rs.55846/-	32 years
Senior Scientist	01 post is reserved for SC-PH (Orthopedically Handicapped) 01 post is reserved for ST 08 posts are Unreserved		Rs.7600/-	Rs.64074/-	37 years

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

* Total Emoluments means approximate total emoluments on minimum of scale including House Rent Allowance in Class 'Y' City.

** Please see age relaxation under Relaxation column.

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Post Cod e	Pay Band	Names, Area and No. of posts/ reservation & Grade Pay/Age limit not exceeding	Essential Educational Qualifications & Experience	Desirable Experience	Job Specification
	Rs.15600-39100	Scientist Biostatistics 01 Post Reserved for OBC GP Rs. 6600/- Age 32 Years OR	Ph. D. submitted in Statistics/Biostatistics.	Experience in the field of biological, chemical and human studies as evidenced by published work in SCI journals. Knowledge of computer programming languages and exposure to statistical softwares such as SPSS, Mathlab and SAS etc.	Must have excellent communication and collaboration skills and ability to work with the team of scientists at all levels and throughout all phases of experiments, including design, data collection, and use of statistical methodologies to generate statistical reports and data analyses
A	(PB-3)	Senior Scientist Reserved for OBC GP Rs.7600/- Age 37 Years	Ph. D. in Statistics/ Biostatistics with two years experience in the relevant area		reports and data analyses
В	Rs.15600-39100 (PB-3)	Scientist Molecular Toxicology (Hepatic Biology/ Reproductive Biology/ Pulmonary Biology/ Nanobiology/ Cancer Biology/ Genetics/ Genomics/ Proteomics) 06 posts 05 UR, 01 Reserved for OBC GP Rs. 6600/- Age 32 Years OR	Ph. D submitted in Biochemistry/ Zoology/ Biotechnology/ Genetics/ Physiology/Life Sciences/ Animal Sciences / Molecular Biology/ Nanosciences and Nanotechnology	Experience in the field of Cell Biology/Hepatic Biology/Reproductive Biology/Pulmonary Biology/Nanobiology/ Proteomics/Genomics/ Genetics/Cancer Biology as evidenced by published work in SCI journals.	To be a part of the dynamic team engaged in the research and devevlopment programmes in the areas of Systems Toxicology and Health Risk Assessment/Food, Drug and Chemical Toxicology /Nanotherapeutics and Nanomaterial Toxicology; Capable of independently handling projects of interdisciplinary nature in the above areas having international impact
		Senior Scientist 05 UR, 01 Reserved for OBC GP Rs.7600/- Age 37 Years	Ph.D. in Biochemistry/ Zoology/ Biotechnology/ Genetics / Physiology/ Life Sciences / Animal Sciences/ Molecular Biology /Nanosciences and Nanotechnology with two years experience in the relevant area.		

С	Rs.15600-39100 (PB-3)	Scientist Analytical Chemistry 01 Post Reserved for SC GP Rs. 6600/- Age 32 Years OR Senior Scientist Reserved for SC GP Rs.7600/- Age 37 Years	Ph. D. submitted in Analytical/ Organic Chemistry. Ph.D. in Analytical/ Organic chemistry with two years experience in the relevant area.	Experience in the field of Analytical Chemistry especially in the development and validation of novel analytical methods using the instruments like GC- MS/MS, LC-MS/MS, ICP-MS, UPLC coupled with sample preparation methods in complex matrices as evidenced by publications in SCI journals. The candidate must be familiar with ISO-17025 requirements.	dynamic team engaged in the development of novel analytical methods for environmental and biological samples as well as for new chemical entities. To assist biologists in characterizing the bio- transformed products using mass spectrometry; To analyze test samples as per NABL and GLP guidelines
D	Rs.15600-39100 (PR-3)	Scientist Pharmaco/ Toxico- kinetics) 01 Post Unreserved GP Rs. 6600/- Age 32 Years OR	Ph.D. submitted in Chemistry/Pharmacy/ Pharmacology with specialization in Pharmacokinetics .	Experience in the field of pharmacokinetic studies for new chemical entities; strong back ground to develop bio- analytical methods using the instruments like GC- MS/MS, LC-MS/MS, UPLC etc. for chemical entities/ drugs and skills in ADME studies as evidenced by publications in SCI	To be a part of the dynamic team engaged in the pharmacokinetic studies for chemical entities; To assist biologists in characterizing the compounds and their bio- transformed products using mass spectrometry; Testing of samples as per NABL and GLP guidelines.
	(PB-3)	GP Rs.7600/- Age 37 Years	Ph. D. in Chemistry/ Pharmacy/ Pharmacology with specialization in Pharmacokinetics with two years experience in the relevant area.	journals or equivalent evidences; Familiarity with GLP guidelines and BA and BE studies will be an added advantage.	
Е	Rs.15600-39100 (PB-3)	Scientist In Silico Biology 01 Post Unreserved GP Rs. 6600/- Age 32 Years OR	Ph. D submitted in Biochemistry/ Biophysics/ Biotechnology/ Bioinformatics/ Computational Biology/Molecular Biology	Experience in Bioinformatics/ Structural Biology/Computational Biology/Structure function activity relationships/Molecular simulations as evidenced by published work in SCI journals	To develop bioinformatic tools and softwares and models for predictive toxicology
		GP Rs.7600/- Age 37 Years	Ph.D. in Biochemistry/ Biophysics/ Biotechnology/ Bioinformatics/ Computational Biology/ Molecular Biology with two years experience in the relevant area.		

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		Scientist	Ph.D. submitted in	Experience in the field of	To be a part of the
			Zoology/Life Sciences/	Ecology/Environmental	dynamic team engaged in
		Ecotoxicology	Environmental	Sciences/Environmental	the research and
		g	Sciences/Toxicology/	Toxicology as evidenced	development programmes
		01 Post	Ecology	by published work in	in the field of
				SCI journals.	Ecotoxicology, wherein establishment/
		Reserved for OBC			development and use of
		GP Rs. 6600/-			different models for eco-
		Age 32 Years			toxicological assessment
		Age 52 Tears			of chemicals/NCEs/smart
					materials and
F	Rs.15600-39100	OR			environmental risk
	(PB-3)	Senior Scientist	Ph.D. in Zoology/		assessment are envisaged;
			Life Sciences/		Capable of handling
		Reserved for OBC	Environmental		projects in the above field
			Sciences/Toxicology/ Ecology with two years		and also of
		GP Rs.7600/-	experience in the		interdisciplinary nature
		Age 37 Years	relevant area.		having international
		Scientist	Ph.D. submitted in	Experience in	impact. To be a part of the
		Scientist	Environmental Science/	monitoring, impact and	dynamic team engaged in
			Environmental	risk assessment in	the research and
		Environmental	Chemistry	different environmental	development programmes
		Impact Assessment	5	and industrial set ups as	in field of
			OR	evidenced by published	Environmental Impact
		01 Post	-	work in SCI journals or	Assessment and to
		Reserved for ST	M.E./M. Tech.	equivalent supportive	undertake field studies
			(Environmental	evidences.	independently related to
		GP Rs. 6600/-	Engineering/		EIA or Risk Assessment
		Age 32 Years	Chemical Engineering)		and establishment/
					development of related
					modeling for the above studies; Capable of
		OR			handling projects in the
		Senior Scientist	Ph.D. in Environmental	-	above field and also of
			Science/ Environmental		interdisciplinary nature
		Reserved for ST	Chemistry with two		having international
G	Rs.15600-39100		years experience in the		impact.
	(PB-3)		relevant area.		
		GP Rs.7600/-	OR		
		Age 37 Years			
			M. E./ M. Tech.		
			(Environmental		
			Engineering/Chemical		
			Engineering) with three		
			years experience in the relevant area.		

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		Scientist	MD in SPM/Public	Experience in the field of	
			Health/Epidemiology/	Epidemiology/	dynamic team engaged in
		Medical	Occupational	Community/	the research and
			Medicine/Physiology	Occupational Medicine	development programmes
		Epidemiology	Community Medicine.	or as evidenced by	in the field of
				published work in SCI	Epidemiology/
		01 Post	OR	journals.	Community Medicine /
		SC-PH			Occupational Medicine
		(Orthopedically	MBBS + Ph. D. submitted		having relevance with
			in Public		different disciplines of
		Handicapped)	Health/Epidemiology/		toxicology: Capable of
			Occupational		independently designing
		GP Rs. 6600/-	Medicine/Community		and executing
		Age 32 Years	Medicine/Physiology.		experiments and analysis
			wiedienie/r nysiology.		of results in the field of
			~~		Epidemiology/
			OR		Community Medicine/
Н	Rs.15600-39100				Occupational Medicine.
	(PB-3)	OR	Ph.D. submitted in		
			Epidemiology/Public		
			Health/Physiology.		
		Senior Scientist	MD in SPM/Public	1	
		Semon Schemelse	Health/Epidemiology/		
		SC-PH	Occupational		
			Medicine/Physiology/		
		(Orthopedically	Community Medicine		
		Handicapped)	with three years		
			experience in the relevant		
		GP Rs.7600/-	area.		
		Age 37 Years			
			OR		
			O R		
			MBBS + Ph. D in Public		
			Health/ Epidemiology/		
			Occupational Medicine /		
			Physiology.		
			OR		
			Ph. D. in Epidemiology/		
			Public Health/ Physiology		
			with two years experience		
			in the relevant area.		
	l		in the relevant area.		

		Scientist	Ph.D. submitted in	Post No. 1 (OBC)	To be a part of the
			Microbiology/		dynamic team engaged in
		Microbiology	Environmental	Experience in the field of	the research and
			Biotechnology/ Environmental	Microbiology/	development programmes in field of Environmental
		02 Posts	Microbiology/	Environmental	biotechnology/
		01 Reserved for	Applied Microbiology	Biotechnology/	Microbiology/
			Applied Microbiology	Biodegradaion/ Bioremediation as	Environmental risk and
		OBC	OR	Bioremediation as evidenced by published	assessment; Capable of
		01 Reserved for	UK	work in SCI journals.	independently designing
		SC	M. Tech. in	work in SCI journais.	and executing
			Biotechnology/	Post No. 2 (SC)	experiments and analysis
		GP Rs. 6600/-	Environmental	<u>1 0st 110: 2 (SC)</u>	of results in the field of
		Age 32 Years	Biotechnology.		environmental safety and
				Experience in the field of Environmental	control measures of
		OR		Microbiology/Aquatic	chemical contaminants.
Ι	Rs.15600-39100	Senior Scientist	Ph. D. in Microbiology/	Microbiology/Quality	
	(PB-3)		Environmental	assessment of water,	
		01 Reserved for	Biotechnology/	industrial effluents and	
		OBC	Environmental	contaminated ecosystem	
			Microbiology/ Applied	as evidenced by	
		01 Reserved for	Microbiology with two	published work in SCI	
		SC	years experience in the	journals.	
			relevant area.		
			OR		
		GP Rs.7600/-			
		Age 37 Years	M. Tech. in		
		8	Biotechnology/ Environmental		
			Biotechnology with three		
			years experience in		
			relevant area.		
		Scientist	Ph. D. submitted in	Experience in the	To be a part of the
			Organic Chemistry.	synthesis of nanogels	dynamic team engaged in
		Organia		and nanocomposites	the research and
		Organic		including fabrication of	development programmes
		Chemistry		3D scaffold for various	in the field of
		01 D		biomedical applications;	Nanotherapeutics and
		01 Post		Delivery of hydrophobic	Nanomaterial Toxicology;
		Unreserved		and hydrophilic bio- molecules for therapeutic	Capable of independently
				applications as	handling projects of interdisciplinary nature in
		GP Rs. 6600/-		evidenced by	the above areas having
		Age 32 Years		publications in SCI	international impact.
				journals or equivalent	r
				evidences.	
J	Rs.15600-39100	OR			
	(PB-3)	Senior Scientist	Ph. D. in Organic		
			Chemistry with two years		
		Unreserved	experience in the relevant		
			area.		
		GP Rs.7600/-			
1	1	Age 37 Years		1	

UR:Unreserved; SC: Scheduled Caste; ST: Scheduled Tribe; OBC: Other Backward Class; PH: Physically Handicapped.

Apart from qualifications indicated above, any other recognized qualification, which is equivalent to the prescribed qualification, shall be treated at par with that qualification.

1. <u>Benefits under Council service.</u>

- 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. Scientists in Pay Band-3 are eligible for 2 additional increments (without DA) and Professional update allowance of Rs.10,000/- per annum.
- c. In addition to the emoluments indicated against each category of posts benefits such as applicability of New Pension Scheme, 2004, reimbursement of Medical expenses, Leave Travel Concession, Conveyance Advance and House Building Advance are available as per rules of CSIR.
- d. 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 deputation for training/presentation of papers/specific assignments etc.
- e. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.
- f. Deserving candidates may be considered for advance increment as per CSIR Rules.

2. <u>Other conditions</u>

- 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 on line applications (June 15, 2013). 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 on line applications (June 15, 2013). No enquiry asking for advice as to eligibility will be entertained.

The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates 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 and above the minimum prescribed qualification, supported with documents. Completion of Ph.D degree will be reckoned from the date of issue of provisional certificate/notification.

- c. The application should be accompanied by self attested copies of the relevant educational qualification, experience. The prescribed qualifications should have been obtained through recognized Universities/Institutions etc. Incomplete applications/ applications received or not accompanied with the required certificates/ documents are liable to be rejected.
- d. 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.
- e. 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 candidate for interview.
- f. 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 submitted.
- g. The date for determining the upper age limit, qualifications and/or experience shall be the closing date prescribed for submission of on line applications (June 15, 2013).
- h. 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 Grade.
- i. Persons with disabilities (PWD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.
- j. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection Committee on his/her written request.
- k. The Selection Committee may choose to place the candidate in any of the Grade Pay within the Pay Band depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.

- 1. 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.
- m. 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.
- n. The decision of the IITR/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and 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

RELAXATIONS

- a. Upper age limit is however, 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 Undertaking.
- 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 and up to 38 years for members belonging to the Other Backward Classes 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 5 years is allowed (total 10 years for SCs/STS and 8 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 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

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 of five years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the state of Jammu and Kashmir during the period from 01.01.1980 to 31.12.1989 subject to production of relevant certificate from concerned authority.

4. How to apply

- a. Eligible candidates are required to apply **ONLINE through** our website **http://www. iitrindia.org/faculty.htm from May 15, 2013.**
- b. If a candidate does not have a valid email id, he/she should create a new valid email id before applying online.
- c. Online application will be accepted through our website http://www.iitrindia.org/faculty.htm up to June 15, 2013 up to 5.00 p.m.

- d. Candidates are required to arrange for a crossed Demand Draft for Rs. 100/- drawn on any nationalized bank and valid for at least 3 months in favour of "Director, IITR" payable at Lucknow. The last date for submitting online application and making of Demand Draft is June 15, 2013 up to 5.00 p.m. This date will be the same for the candidates belonging to far-flung areas. The following details must be filled up on back side of Demand Draft (i) Candidate's Name (ii) Candidate's Category (iii) Post Code Applied For. The candidates belonging to SC/ST/PH/Women/CSIR Employees/Abroad Candidates category are exempted from submission of application fee.
- e. In case of universities/institute awarding CGPA/SGPA/OGPA grades etc., candidates are requested to convert the same into percentage based on the formula as per their university/institute.
- f. After successful selection of post (or more than one post), a table will be generated containing unique application number(s). Candidates should take out print out of the application(s) which will be generated in PDF format.
- h. This computer generated application (Print-out) duly accompanied by attested copies of the certificates, mark sheets, testimonials in support of age, education qualification, experience, re-prints of publications and caste certificate, if applicable along with one recent passport size self-signed photograph affixed together with Demand Draft (if applicable) should be sent in an envelope superscribed "APPLICATION FOR THE POST OF(Post Code......)" by post to the Director, Indian Institute of Toxicology Research, M.G. Marg, Post Bag No. 80, Lucknow-226001 on or before June 25, 2013 up to 5.00 p.m. Candidates applying for more than one post must submit separate application form for each post indicating the Code No. of the post. The hard copy(s) of each application must be accompanied by separate Demand Draft(s).
- i. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
- j. Applications from employees of Government Departments will be considered only if forwarded through proper channel, certified by the employer that the applicant if selected will be relieved within one month of the receipt of the appointment orders. Also, vigilance clearance should also be recorded. However, advance copy of the application may be submitted before the closing date. Applications routed through proper channel should reach the Indian Institute of Toxicology Research, Lucknow at the earliest.
- k. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will not be entertained by IITR, Lucknow.
- 1. Incomplete applications (i.e. without photograph, unsigned and application fee, applicable testimonials etc.) will not be entertained and will be summarily rejected.

5. Following documents must be attached along with application form sent by post:

- a. Demand Draft of Rs.100/- as application fee where applicable
- b. Coloured photograph pasted on the form and signed across in full.
- c. Self Attested photocopy of Date of Birth Certificate.
- d. Self Attested photocopies of education qualifications certificates.
- e. Self Attested photocopy of caste certificate, if applicable.
- f. Self Attested photocopies of experience certificates, if any.