



महाराष्ट्र विज्ञान वर्धिनी
आघारकर अनुसंधान संस्थान
Maharashtra Association for the Cultivation of Science
AGHARKAR RESEARCH INSTITUTE
(An Autonomous Body Under the Department of Science and Technology, Govt. of India)



G. G. Agarkar Road, Pune - 411 004, India

No. Rect.P/ 01/2021

RECRUITMENT OF SCIENTISTS

MACS-Agharkar Research Institute (ARI) an autonomous Institute of the Department of Science and Technology (DST), Government of India is committed to the promotion of science and technology with emphasis on high standards of research and development activities for the benefit of humankind and the nation. The current research activities encompass biological sciences and focus on six thematic areas Biodiversity & Palaeobiology, Bioenergy, Bioprospecting, Developmental Biology, Genetics & Plant Breeding and Nanobioscience.

Applications are invited from Indian citizens for filling up of 8 posts of Scientists on direct recruitment basis in the Agharkar Research Institute, Pune as per details given below :-

S.No.	Name of the Post	Reservation					Total No. of Posts
		General	SC	ST	OBC	EWS	
01	Scientist E	01	--	--	--	--	01
02	Scientist C	01	--	--	--	--	01
03	Scientist B	01	01	01	01	02	06

1. NAME OF POST: Scientist- 'E'

i. SCALE OF PAY: Level-13 in the Pay Matrix Rs.123100-215900 (Pre-revised Rs.37400-67000 plus Grade Pay Rs.8700/-)

ii. TOTAL NO. OF VACANCIES: One (01)

iii. NATURE OF POST: Permanent

iv. EDUCATIONAL AND OTHER QUALIFICATIONS:

S.No.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
1.	Bioenergy	01	Essential: (i) 1st class Master Degree in Microbiology or Biotechnology or equivalent qualification from a recognized university. (ii) Ten years of R&D experience in the required areas as evidenced by publications in journals of repute after obtaining academic Degree

			<p>Desirable:</p> <ul style="list-style-type: none"> (i) Ph.D in any of the above subjects (ii) Ph.D / post-doctoral experience. (Dissertation topic to be related to Bioenergy or Microbial Diversity) (iii) Experience of executing extramural research projects as PI or Co-PI (iv) Documented recognition and experience of guiding masters/ doctoral students (v) Experience in Microbial process development for bioenergy/ Petroleum Biotechnology/ Microbial Products/ Maintenance of microbial culture collections (vi) Proven record of Technology Development/ Transfer to industry (vii) Publications in journals (with JCR impact factor) and/or Patent filed/ granted in the related areas.
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2. NAME OF POST: Scientist- 'C'

i. SCALE OF PAY: Level-11 in the Pay Matrix Rs.67700-208700 (Pre-revised Rs. 15600-39100 plus Grade Pay Rs.6600/-)

ii. TOTAL NO. OF VACANCIES: One (01)

iii. NATURE OF POST: Permanent

iv. EDUCATIONAL AND OTHER QUALIFICATIONS:

S. No.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
1.	Biodiversity & Paleobiology (Fungi)	01	<p>Essential:</p> <ul style="list-style-type: none">(i) 1st class Master Degree in Botany/ Mycology / Plant Pathology/ Life Sciences or equivalent qualification from a recognized university.(ii) 4 years of R&D experience in the required areas as evidenced by publication in journals of repute after obtaining academic degree. <p>Desirable:</p> <ul style="list-style-type: none">(i) Ph.D in Life Sciences(ii) Post-doctoral experience in relevant area of research(iii) Working experience in field exploration and collection of higher fungi and their selective isolation in to pure culture and herbarium preparation.(iv) Sound knowledge in phenotypic characterization of higher fungi and in latest development in systematics, classification and taxonomy of fungi(v) Working experience in sequence based molecular identification of fungi.(vi) Experience in bioprospecting of higher fungi/ isolation of secondary metabolites/enzymes and their various applications(vii) Publications in journals (with JCR impact factor) and/or Patent to support the research experience in the relevant area(s).

3. NAME OF POST: Scientist- 'B'

i. SCALE OF PAY: Level-10 in the Pay Matrix Rs.56100-177500 (Pre-revised Rs.15600-39100 plus Grade Pay Rs.5400/-)

ii. TOTAL NO. OF VACANCIES: Five (05)

iii. NATURE OF POST: Permanent

iv. EDUCATIONAL AND OTHER QUALIFICATIONS:

S. NO.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
1.	Bioenergy	02	<p>Essential:</p> <p>1st class Master Degree in Microbiology or Biotechnology or equivalent qualification from a recognized university.</p> <p>Desirable :</p> <p>(i) PhD in any of the above subjects. (Ph.D. topic to be related to Bioenergy)</p> <p>(ii) Experience in academia and/ or industry in the field of microbial process development for bioenergy generation from agro wastes/ high strength industrial wastes,</p> <p>(iii) Publications in journals (with JCR impact factor) and/or Patents (filed/ granted)in the related area,</p> <p>(iv) Next-Generation Sequencing and bioinformatics analyses of pure cultures and/ or complex communities.</p> <p>(v) Proven hands-on work experience as related to the job profile in molecular techniques such as PCR, RT PCR, Next Generation Sequencing, Protein purification technics (use of ultra-centrifuge), high-end microscopy, including confocal microscopy.</p>

S. NO.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
2.	Biodiversity & Paleobiology (Fungi/ Lichens)	01	<p>Essential:</p> <p>1st class Master Degree in Botany/ Mycology / Biotechnology/ Life Sciences or equivalent qualification from a recognized university.</p> <p>Desirable:</p> <ul style="list-style-type: none"> (i) PhD in any of the above subjects (ii) 2-3 years of proven research experience related to job profile. (iii) working experience in selective isolation of fungi, in vitro culturing and conservation (iv) Sound knowledge of latest development in systematics, classification and taxonomy and phenotypic characterization of fungi. (v) Working experience in sequence based molecular identification of various groups of fungi (vi) Sound knowledge of modern tools like NGS, metagenome and bioinformatics analyses of fungi. (vii) Publications in journals (with JCR impact factor) and/or Patent to support the research experience in the relevant area(s).
3.	Bioprospecting	01	<p>Essential:</p> <p>1st class Master Degree in Chemistry, Biochemistry or equivalent qualification from a recognized university.</p> <p>Desirable:</p> <ul style="list-style-type: none"> (i) Ph.D. in the relevant area (Extraction and characterization of medicinally important compounds from plant) (ii) Experience as related to the job profile in separation of natural products, bio-guided fractionation, identification and quantitation of bioactive molecules from natural resources. (iii) Proven hands-on work experience as related to the job profile in <i>in vitro</i> studies on natural products and experience in working with different cell lines. (iv) Proven hands-on work experience with animal models for testing of natural products. (v) Proven hands-on work experience with molecular techniques such as PCR, RT PCR, high-end microscopy including confocal microscopy. (vi) Publications in journals (with JCR impact factor) and/or Patent in the related areas.

S. NO.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
4.	Biodiversity & Paleobiology (Palaeontology)	01	<p>Essential:</p> <p>1st class Master Degree in Geology or equivalent qualification from a recognized university.</p> <p>Desirable:</p> <p>(i) Ph.D. in the relevant area. (ii) Research experience in Palaeosciences or related subject disciplines after obtaining Masters Degree. (iii) Experience in Mesozoic Mollusca, especially ammonoidea and allied biostratigraphy. Knowledge of other fossils groups such as Trace fossils and Brachiopoda. (iv) Publications in journals (with JCR impact factor) and/or Patent in the related areas</p>

4. NAME OF POST: Scientist- 'B'

i. SCALE OF PAY: Level-10 in the Pay Matrix Rs.56100-177500 (Pre-revised Rs.15600-39100 plus Grade Pay Rs.5400/-)

ii. TOTAL NO. OF VACANCIES: One (01)

iii. NATURE OF POST: Temporary and Co-terminus with the ICAR project [see Sr. No. (v) of General Terms]

iv. EDUCATIONAL AND OTHER QUALIFICATIONS:

S. NO.	Discipline	No. of vacancies	Essential/Desirable Qualifications for corresponding discipline
1.	Genetics & Plant Breeding Under ICAR All India Coordinated Soybean Improvement Project at Experimental farms at Hol & Songaon, Tal-Baramati, Dist Pune.	01	Essential: 1st class Master Degree with specialization in Genetics & Plant Breeding in Agriculture or Botany or equivalent qualification from a recognized university. Desirable: (i) PhD in any of the above subjects (ii) 5 years research experience in Plant Breeding work (both field and research laboratory) on crops like soybean/legumes/field crops, etc., as evidenced by varietal developmental and release. (iii) Knowledge of conducting field experimental trials under ICAR-AICRP coordinated projects for varietal evaluation and procedures like hybridization, germplasm maintenance, etc. in soybean/legumes/field crops. (iv) Ability to maintain pure seed and large scale seed production. (v) Data collection and analysis of experiments using computer software. (vi) Experience of use of conventional and molecular tools in plant breeding. (vii) Experience in farm operations in rural areas and knowledge of local language

AGE LIMIT :

The upper age limit for direct recruits shall be **35 years** in case of Scientist 'B', **40 years** for Scientist 'C' and **45 years** for Scientist 'E' as on the closing date for receipt of applications. The upper age limit is relaxable for Government Servants up to five years in accordance with the orders issued by the Central Government. Any other relaxation in age limit shall be in accordance with orders issued by the Central Government from time to time.

Note: The crucial date for determining the age limit and eligibility shall be closing date for submission of applications.

GENERAL TERMS

- (i) The number of posts to be filled may vary. The Institute also reserves the right to cancel the recruitment without assigning any reason.
- (ii) The vacancies for the post of Scientist 'C' & 'E' is outside the purview of reservation.
- (iii) For applications, a non-refundable application fee of Rs.500/- (except SC/ST and women candidates) to be paid online through <https://www.onlinesbi.com/sbicollect/icollecthome.htm> or link available on Institute Website <http://www.aripune.org> (Pay application fees on SBI Collect under Announcements). Candidate should attach the receipt of online payment of fees and indicate the online receipt number in the application form. The Institute is not responsible for any incomplete/pending/failed transactions of online application fee payments and they may contact the concerned bank in this regard.
- (iv) Candidates belonging to SC/ST/OBC/EWS should submit a latest copy of Cast Certificate/Certificates and candidates who claim concession/ relaxation being differently abled and other categories of candidates need to bring relevant certificates issued by the Competent Authority in the prescribed proforma applicable for reservation/concession of jobs under the Government of India including all the certificates supporting for having acquired their equivalent educational qualification at the time of Interview.
- (v) For the post at Sr. No. 4 for Scientist B-Genetics & Plant Breeding Group, the vacancy is under ICAR All India Coordinated Soybean Improvement Project at Hol & Songaon farm, Tal- Baramati, Dist Pune. The said appointment is on contract basis initially for one year and extendable every year based on ICAR Project tenure which shall be coterminous with the ICAR Project.
- (vi) There will be a probation period of Two years for Scientist B and one year for Scientist 'E' & 'C' post, which may be extended at the discretion of the Competent Authority.
- (vii) The pay and allowances & other benefits includes NPS, Medical reimbursement, LTC etc. are presently admissible as per rules of the Institute/Funding agencies. Candidates selected will be governed under NPS Rules.
- (viii) The experience requirement specified should be the experience acquired after obtaining the minimum educational qualifications required for the post.
- (ix) All educational, professional and technical qualifications should be from a recognized Board/ University
- (x) The applicants are advised to visit the Institute's website www.aripune.org regularly. Any addendum/corrigendum or any update regarding the recruitment process shall be posted only on the Institute's website.
- (xi) Candidates are advised in their own interest to submit applications in prescribed format much before the closing date and not to wait till the last date. **Candidates applying for more than one post are required to submit separate application for each post.**
- (xii) The prescribed essential qualifications are minimum and the mere possession of the same does not entitle candidates to be called for interview. The consideration of qualifications as equivalent' to the essential and desirable qualifications stated above shall be the discretion of the relevant committee constituted for scrutinizing the applications. If the number of applications received in response to advertisement is large, the Institute may restrict the number of candidates to be called for interview to a reasonable limit through a shortlisting process based on a well-defined criterion which may include possessing of desirable qualifications and / or experience more than that prescribed in the advertisement and/or qualifications/ experience in a particular field as per the specific requirement of the Department. A reserve panel of candidates in order of merit will be prepared from the candidates called for interview which will remain valid for a period of one year from the date of interview. The panel can be utilized to fill up vacancies arising as advertised as well as vacancies that might arise/ may have arisen subsequent to the date of publication of this

- advertisement due to any reason like retirement/resignation/death etc.
- (xiii) Details of SCI Journal publications: Candidates are expected to submit a list of journal publications along with copies of 4 best papers authored by them in the last 5 years chronologically listing: Names of authors, Title of the paper, Name of the Journal, Volume, Pages (From-to), Year, citation count, impact factor of the journal etc.
 - (xiv) Incomplete/partially filled application forms will not be considered.
 - (xv) Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement and or an application in response thereto can be instituted only in Pune and courts at Pune only shall have sole and exclusive jurisdiction to try any such cause/dispute.
 - (xvi) No correspondence will be entertained from candidates who are not called for interview / selected for appointment.
 - (xvii) Canvassing in any form will result in disqualification of candidature.
 - (xviii) Outstation candidates called for interview will be paid to and fro second class rail/sleeper class rail fare by the shortest route.
 - (xix) The selected candidates are liable to serve anywhere in India and abroad.
 - (xx) **Last date for submission of dully filled application together with all enclosures is 13th December 2021.**

HOW TO APPLY:

- (a) Candidates fulfilling above conditions may apply in the prescribed format attached below, along with self-attested copies of qualifications, certificates, Passport size photograph, certificate issued by competent authorities and send it to 'The Director, Agharkar Research Institute, Gopal Ganesh Agarkar Road, Pune – 411 004 (MH)' on or before 13/12/2021. The envelope should be superscribed as "Application for the post of Scientist __ (Discipline)". Candidates must carefully go through the advertisement before filling the application form. It is the responsibility of the candidates to ensure that they follow the instructions while filling the application. Candidate must ensure to attach clear legible certificates/documents while sending hard copy of application. Attaching of illegible/incorrect certificates/documents may lead to rejection of the candidature.
- (b) **Note: Experience/employment certificates for work/research work must clearly indicate the date of joining, date of relieving post held and pay scale.**
- (c) Candidates working in Government Departments / Public Sector Undertakings / Autonomous Organizations should submit **No Objection Certificate (NOC)** from the competent authority of the organization they are serving, in the format specified at Annexure-I. It is the responsibility of such candidates to ensure that they obtain NOC from their Department/organization within time **to submit the same with the application form.**
- (d) Copies of certificates in support of educational qualifications, date of birth, Disability, Community (in case of SC/ST/OBC/EWS candidates only) and experience should be submitted with the application. Candidates will have to produce the original certificates as and when required.

DIRECTOR, ARI

CERTIFICATE

(TO BE GIVEN BY THE HEAD OF ORGANISATION / OFFICE)

- (i) Certified that Sh./Smt./Msjoined this organization as..Name of the post) with effect fromand is presently working as.(Name of post).
- (ii) It is also certified that no disciplinary / vigilance proceedings are either pending or contemplated against the officer, Integrity of the officer is also certified.
- (iii) The application of Sh./Smt./Ms.....to the post of.....is recommended. In case of his / her selection, the Department / organization will relieve him/ her.

Place:
Date:

**Signature of the Head of the
Organization / Office with Office Seal**



MACS' AGHARKAR RESEARCH INSTITUTE, PUNE-411004
 (An Autonomous Body under Department
 of Science and Technology, Govt. of India)
 G. G. Agarkar Road, Pune 411004, M.S.,
 India Website: www.aripune.org,



PRESCRIBED APPLICATION PROFORMA

[In case candidate wishes to apply for more than 1 post, separate application form should be submitted for each post alongwith copies of all necessary documents and application fee etc.]

To be filled in by the candidate in CAPITAL LETTERS	
Advt.No. _____	Particulars of application fee (Rs.) _____
Post applied for _____	Bank online Receipt No. _____ & Date _____ (to be filled in by Candidate)
Discipline: _____	

Affix your recent coloured passport size photograph

1. Name in full (IN BLOCK LETTERS)
 (In the case of female candidate, the appropriate prefix 'Miss' or 'Mrs' should be used)

2. Father's Name Mother's Name.....

3. Gender

4. Date of Birth (DD/MM/YYYY)..... Place of Birth.....

Age as on last date for receipt of application mentioned in the advertisement

.....yymm

5. Address for correspondence.....

.....

..... Pin Code.....

Phone No:(with STD code)..... Mobile No.....

E-mail ID.....

Aadhar No.:

Permanent Address

.....

.....

..... Pin Code.....

6. Are you a citizen of India by birth or by domicile?.....

7. Name of State to which you belong:

8a. State whether you are a member of Scheduled Caste (SC) / Scheduled Tribe (ST) / Other Backward Class (OBC-Non creamy layer) General (GEN) (In case of SC / ST / OBC-Non creamy layer), please attach attested copy of caste certificate issued by competent authority[Tick the appropriate Category]

SC
ST
OBC (NCL)
GEN
EWS

8b. Are you a differently abled person?, If yes please tick (If yes, please attach attested copy of medical certificate issued by Civil Surgeon or competent authority) PH

9. In case of Minority Communities as notified by the Government Namely - Muslims, Christians, Sikhs, Jain, Buddhist or Zoroastrians (Parsis), Please specify the community.

10. Are you related to any employee(s) of the MACS-ARI / DST? If so, give details:

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11. DETAILS OF EDUCATIONAL AND OTHER QUALIFICATIONS :

Name of the Exam.	Stream/ Title	Year of Passing	Percentage / CGPAof marks	Division/ class (Distinction / First/ second/ pass)	Board / University
SSC (10th)					
HSC (12th)					
Graduation					
Post Graduation					
Other Qualification					
Other Qualification					
Other Qualification					

12. Ph.D. Details (If any)

- a. Subject:
- b. Board/ University / Institute:
- c. Entry Year:
- d. Year of Passing:
- e. Area of Specialization:
- f. Area of Research:
- g. Ph.D thesis title:
- h. Name of Ph.D. Guide:

13. Details of employment (in chronological order – current employment) (Please attach separate sheet)

Name of Organization	Is it Govt. or Pvt. Org.	Post Held	Scale/Level of pay (CTC in case of Pvt. Org.)	Exact dates to be given		Total period (in years)	Nature of duties
				From	To		

14. Any additional qualification such as membership of professional societies; awards and honours etc.

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15. List of papers published along with impact factor, and citations details of three best publications (AUTHORS, YEAR, TITLE OF PAPER, JOURNAL NAME, VOL. Page XX-XX. DOI Number: 10.11.11.11, IF=2.5 Citations: 56) Details of funded research projects operated (Provide title, funding agency, duration and total budget) (attach details)

16. Please provide the link to your Google Scholar Profile

17. Patents granted / applied for – give details.

18. Details of funded research projects operated (Provide title, funding agency, duration and total budget)

19. Name and address of 3 references with contact no. / e-mail1.

- 1.
- 2.
- 3.

20. Please give in about 1000 words the plan of work you intend to undertake at MACS-ARI (Attach separately)

21. Are you willing to accept the post at the base level pay of the scale? If not, state what is the lowest initial pay that would you accept in the prescribed pay-band:

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22. Time period required for joining

23. Additional information (if any) which you would like to mention in support of your suitability for the post. (This among other things may provide information with regard to (i) additional academic qualification (ii) professional training and (iii) work experience over and above prescribed in the Vacancy Circular / Advertisement)

24. List of enclosures

DECLARATION BY THE CANDIDATE

I, _____, hereby declare that the statements made in the application are true, complete and correct to the best of my knowledge and belief and in the event of any of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled.

Place: _____ Candidate's signature_____

Date: _____ Full name_____

NOTE : Please send application (hard copy) form duly filled in along with attested copies of Certificates & Mark lists, photograph and application fee, so as to reach before the last date prescribed in advertisement. SC/ST & differently abled candidates applying with copy of certificate issued by competent authority are exempted for payment of application fees. Institute reserves the right to reject incomplete applications in any respect or applications received after the prescribed last date, and no correspondence will be entertained in this respect. Canvassing in any form and/or bringing in influence in any form will be treated as a disqualification for the post.

CERTIFICATE

(TO BE GIVEN BY THE HEAD OF ORGANISATION / OFFICE)

- (i) Certified that Sh./Smt./Msjoined this organization as..Name of the post) with effect fromand is presently working as.(Name of post).
- (ii) It is also certified that no disciplinary / vigilance proceedings are either pending or contemplated against the officer, Integrity of the officer is also certified.
- (iii) The application of Sh./Smt./Ms.....to the post of..... is recommended. In case of his / her selection, the Department / organization will relieve him/ her.

Place:
Date:

**Signature of the Head of the
Organization / Office with Office Seal**