



**“Centre for Advanced Agricultural Science and Technology (CAAST)
for Climate Smart Agriculture and Water Management (CSAWM)”**

Mahatma Phule Krishi Vidyapeeth, Rahuri,
Tal. Rahuri, Dist. Ahmednagar - 413 722.

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Web Site - www.mpkv-caast.ac.in

The Post-Doctoral Research Programme in Climate Smart Agriculture and Water Management

Applications are invited from the eligible candidates for the Post-Doctoral Research positions in different disciplines of Agricultural Sciences, Agricultural Engineering and Social Sciences at *Centre for Advance Agriculture Science and Technology (CAAST)* for “*Climate Smart Agriculture and Water Management*” (CSAWM). The positions will remain open until suitable candidates are found and limited to maximum capacity of positions. The successful candidates will join a multidisciplinary team of experts in Climate resilient agriculture, Land use planning, Irrigation water management, Precision agriculture and machineries, Geoinformatics, Robotics and drones in agriculture, Plant protection and Social sciences.

The selected candidates will have opportunity to conduct their research in World Bank aided and Indian Council of Agricultural Research sponsored National Agricultural Higher Education Project, Centre for Advance Agricultural Science and Technology (CAAST) for “Climate Smart Agriculture and Water Management” (CSAWM) at Mahatma Phule Krishi Vidyapeeth, Rahuri being implemented since 2018-19 and likely to be continued till 2021-22. However this programme may be continued beyond 2021-22 subjected to permission.

The objectives of this programme are:

- To provide seats for the beginners to middle level careerists to apply and strengthen their expertise for producing the climate smart technologies in agriculture and precision water management.
- To strengthen the knowledge base of climate smart agriculture and water management through in depth and focussed research by the committed researchers for further enhancing and refining their expertise.
- To provide the inter-disciplinary environment consisting of researchers from different disciplines and backgrounds for exchanging the knowledge amongst the researchers and thereby enabling them to produce the integrated and adoptable technologies.
- To enhance the opportunities for producing the high quality publications.
- To provide outstanding overseas researchers with the opportunity to develop their research skills; and to transfer new skills.
- To allow doctoral students to avail the opportunity to continue their doctoral research to establish a solid basis for positioning themselves favourably for further career opportunities.
- To develop the careers of postdoctoral fellows as academics by encouraging their participation in teaching and co-supervision of postgraduate degree/diploma students.

Eligibility (who can apply):

(A) Educational Qualification:

1. For Agricultural Science Stream:

Ph.D. in Agricultural Sciences or equivalent

2. For Engineering Stream:

Ph.D. in

- (i) Agricultural Engineering with specialization in Irrigation and Drainage Engineering, Irrigation and Water Management Engineering, Water Resources and Development Management, Soil and Water Conservation Engineering, Hydrology, Farm Power and Machinery.
- (ii) Civil Engineering with specialisation in Water Resources/Hydrology or equivalent
- (iii) Mechanical Engineering with specialisation in Mechatronics/Robotics or equivalent
- (iv) Electronics and Telecommunications
- (v) Computer Science/Engineering
- (vi) Remote Sensing and GIS/Geoinformatics

3. For Social Science stream
Ph.D. in Social Science or equivalent

The subject/discipline of the candidate applying from the Universities/Institutes not offering Ph.D. in any particular discipline will be decided based on the Ph.D. dissertation of the candidate.

(B) Publications:

At least two research papers in the reputed journal such as having Science Citation Index (SCI), NAAS rating more than 6.

Duration and nature of the programme:

The programme is fully residential for the full period of either one year or two years, either at Central Campus, MPKV, Rahuri; College of Agriculture, Pune or at one of the collaborating organisations.

Application Procedure:

- The perspective candidate need to contact any supervisor relating to his/her area of interest based on the profiles/CVs of supervisors available on University/CAAST-CSAWM websites and develop communication with him/her.
- The supervisor will confirm the eligibility of the perspective candidate for the Post-Doctoral Research Programme and then provide the consent.
- The perspective candidate should then develop a research proposal for Post Doctorate Research clearly stating the potential contribution to one of the themes of the CAAST- CSAWM, MPKV, Rahuri with the help of supervisor.
- The supervisor will invite other supervisors (internal supervisor, co-supervisor and external supervisors), depending on his/her status of the supervisor.
- Together (perspective supervisors and candidate) should refine the proposal.

After the proposal is refined the perspective candidate should submit the application in the prescribed format (available on www.mpkv-caast.ac.in /www.mpkv.ac.in) along-with the refined research proposal, consents of the supervisors and at least two letters of the references from academic sources (e.g. the candidate's doctoral supervisor) to testify the candidate's academic abilities and the suitability of his/her research experience for the proposed research project through the perspective supervisor to Principal Investigator, CAAST-CSAWM, MPKV, Rahuri. Upon receipt of the application for Post – Doctoral Research Programme, the selection procedure will be initiated by the CAAST- CSAWM, MPKV, Rahuri.

It is to be noted that the mere submission of the application will not guarantee the candidate to be selected for Post- Doctoral Research Programme.

Please visit CAAST- CSAWM website for details of application procedure, application form format, guidelines for post-doctoral research programme, perspective supervisors and other details.

Please submit your application in prescribed format along with the cover letter, refined research proposal, consents of the supervisors and at least two letters of the references from academic sources by mail or email to **Principal Investigator**, CAAST-CSAWM, MPKV, Rahuri, Dist. Ahmednagar, Maharashtra, India. Pin 413722.

Phone: 02426-243268.

Email: caastcsawm2018@gmail.com.

Sd/-
**Dean (F/A) and Director of Instructions,
MPKV, Rahuri**