



Marathi Vidnyan Parishad

Vidnyan Bhavan, V.N.Purav Marg, Sion-Chunabhatti (E), Mumbai - 400 022

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Science Research Contest – 2022

- (1) The contest is aimed at promoting interest for research amongst the youngsters. There are three awards each of Rs. 12,000 for this contest. The awards are named as (i) Parashuram Bajee Agashe Vidnyan Sanshodhan Puraskar, (ii) Leela Parashuram Agashe Vidnyan Sanshodhan Puraskar and (iii) Sharad Naik Vidnyan Sanshodhan Puraskar.
- (2) Contestant can be from any college in the states of Maharashtra and Goa. Students from any college in Vadodara district in the state of Gujarat and Belagavi districts in the state of Karnataka can also participate in the contest. (*Marathi Vidnyan Parishad has chapters in these three districts.*)
- (3) The contest is open to anybody who is less than 25 years of age on 31/12/2022. He should be a college student, studying for degree in any of the disciplines. In the case of integrated post-graduation course, students who are studying in first 3 years can only participate in this contest.
- (4) Research project can be from any subject related to field of science and technology (including mathematics). You can see a sample list of earlier winning projects at the end of this brochure.
- (5) Language for the submission of the project can be Marathi/English/Hindi.
- (6) If the winning project has been carried out under the guidance of an expert, the later will be felicitated with a special award of Rs. 2,000.
- (7) Last date for submission of the projects is **December 25, 2022**.
- (8) There is no entry fee for participating in the contest.**
- (9) Project can be taken up as a group activity and can have maximum three participants. Secondly, all the participants should be from the same college. However, same participant can be associated with more than one project.
- (10) Contestants have to fill the application form online. Form is available on the website of Marathi Vidnyan Parishad.
- (11) Forms with incomplete information will not be accepted.
- (12) While filling the form online, you have to upload a PDF copy of project report of your research work. An instruction about uploading the PDF file is included in the online form. Total number of pages in the report should not exceed three. File Should be less than 2 MB in size.
- (13) Project report should be comprised clearly of following sections – (a) Title, (b) Name of the contestants (including name of the expert, if applicable), (c) Name of college, (d) Aim of the project, (e) Procedural details, (f) Inferences and (g) Conclusion. (*The preliminary scrutiny of the*

application forms will be based on the contents of the project report. Hence, the project report should be prepared very carefully.)

- (14) There will be a preliminary scrutiny for selecting projects for final presentation. Results of the preliminary scrutiny will be displayed on MVP website in the first week of January (2023). Participants selected for final presentation will be informed individually about the date of presentation individually.
- (15) Final presentation will be held in Mumbai at the end of January or beginning of February (2020). Marathi Vidnyan Parishad will bear travel expenses of the outstation participants. The reimbursement of the travel expenses will be according to the norms set by Marathi Vidnyan Parishad. All contestants will have to produce their college identity card at the time of presentation.
- (16) Maximum duration for each presentation will be 15 minutes. Language for the presentation can be Marathi/English/Hindi. Presentation will be followed by queries from the examiners.
- (17) Presentation will be by only one participants. However, the queries can be answered by any of the other participants in the project.
- (18) No name of a new participant (other than those mentioned in the application form), can be added in the final presentation. However, participants can acknowledge any number of their colleagues during the presentation.
- (19) Various factors that will be considered for the assessment are (i) originality of the research project, (ii) objective of the project, (iii) clarity about the concept behind the project, (iv) innovative ideas involved, (v) methodology (references studied, observations, efforts taken), (vi) quality of the results, (vii) interpretation of the results, (viii) applicability or usability of the project, (ix) presentation, etc.
- (20) If the number of projects submitted is small and/or the projects are sub-standard, number of awards may be reduced to less than three.
- (21) Regarding the selection of projects for the final presentation or for awards, decision of the selection committee will be final. In this regard, no correspondence will be entertained on behalf of the participants.
- (22) Awards will be distributed on annual day celebration of Marathi Vidnyan Parishad, which will be held in the last week of April 2020. Awardees will have to present the projects before the attendees of the function. This presentation is expected to be in Marathi. Format of the presentation will be informed later.
- (23) Marathi Vidnyan Parishad reserves the right of making any changes in the above instructions, if required from the management point of view.
- (24) If you have any query or any problem while filling the application form, send an email to vsp@mavipa.org.

Some of the award-winning projects of the past

- 1) A Mathematical Model for the Diagnosis of Diabetes, Anaemia and Hypertension by using Fuzzy Matrices
- 2) Point of Care Visual Serum Calcium Detection Test Kit for Livestock

- 3) Phytochemical and Antibacterial Evaluation of Formulated Hand Sanitizer from Different Natural Sources and Waste Materials
- 4) Electricity generating device from waste heat of gas stoves and chulhas using thermoelectric effect (Thermen)
- 5) CULTUROMICS based approach for isolation of novel PGPRs from Vermiwash
- 6) Novel and eco-friendly staining method for proteins separated by polyacrylamide gel electrophoresis
- 7) ANDROID Controlled PRO-CLEANO
- 8) Bioplastic using sabudana and fly ash: An alternative to polythene bags
- 9) Portable Electronic Stethoscope with Phonocardiogram
- 10) Photocatalytic Degradation of Sugarcane Factory Wastewater using Photocatalyst under Natural Sunlight Illumination
- 11) Cellulose Extraction and Biofuel Production from Groundnut Waste
- 12) Study of Mannan from food yeast
- 13) Allelopathic effect of leaf extract of different trees on *Vigna radiata* L.
- 14) Energy harvesting using piezoelectric platform
- 15) Isolation of plastic degrading micro-organisms from soil.
