



The 3rd Macau Young Scientists Conference (2021)

Rules and Guidelines

1. Organizer: The Association for Promotion of Science and Technology of Macau (MAPST)
2. Sponsor: Education and Youth Development Bureau
3. Co-organizer: State Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau
4. Objectives:
 - (1) With regard to the issues related to Macao local and/or global **sustainability**, we aim at drawing students' interest on scientific research and innovation, encouraging sustainable development in Macao and also the global world.
 - (2) To advance the education of humanities and social science, and to nurture talents engaged in social sciences.
 - (3) To promote the intellectual exchange on innovative research in science and technology, and social science among secondary school teachers and students in Macao.
 - (4) To nominate participants from outstanding projects in the Macao secondary schools to participate in international competitions or science fairs, providing students with a variety of opportunities for international exposure and learning experience.
5. Participation Conditions:
 - (1) Full-time registered students from Form 2 to Form 6 in the academic year 2021/2022, under 21 years of age as of 1st April 2022;
 - (2) The same project that previously competed at local I-SWEEEP or MYS Conference **MAY NOT** re-enter unless there has been a significant improvement made to the project with sufficient justifications.
6. Categories:
 - (1) Individual projects
 - (2) Team projects (maximum 3 members)
7. Application & Submission:
 - (1) Online application form (<https://forms.gle/DN9VZWiiBNe3XKa86>) should be filled and submitted, (a)abstract, (b)detailed research report, (c)project poster (no more than 10M) and (d)3-5min project introduction video (no more than 200M) should be submitted via email to mys.macao@gmail.com before 5th October 2021. Successful registration will be confirmed by email reply. If it is not received, please contact the organizer in time.
 - (2) Those who do not submit all required materials before deadline will be deemed as withdrawal;
 - (3) Abstract should be adhere to the specific format as attached.
 - (4) Abstract, detailed research report and project posters can be written in either Chinese or English, without limitation of the words;
 - (5) If any project models or product samples are to be presented at this competition, participants need to submit the design drafts and pictures in the form photos or videos.



(6) When submitting the application materials, please use this format as the email subject: "MYS2021-School-Category-Project Name", and indicate the main information of the project (such as authors' and supervisor's name), for further confirmation.

8. Project Categories: (1) Environment & Health
(2) Engineering & Technology
(3) Humanities & Social Sciences (Psychology, Geography, Sociology, History and Economy etc.)

9. Application Deadline: Before 5th October 2021

10. Preliminary Result Announcement : Mid October 2021 (to be confirmed)

11. Competition Date and Venue: Mid November 2021 (exact date to be confirmed), University of Macau

12. Format:

- (1) Review of research reports and project posters, as well as a closed-door oral defense (including 10 min PPT presentation, and 5-10 min Q&A session, which can be conducted in Chinese or English);
- (2) Poster size: A0 (841mm×1189mm); the organizer will provide a poster display board; it is recommended to use more environmentally friendly materials such as cloth, and **please do not use foam board**;
- (3) On the day of the competition, the project poster must be posted on the display board for the judges to review. Failure to display the poster as required will be deemed a withdrawal from running for the best poster award automatically;
- (4) Different categories are evaluated separately.

13. Judging Criteria:

Criteria	Explanation
Creativity/Originality	Originality of the problem; unique approach to solve a sustainability issue.
Review of Literature	Research of scientific literature and use of references.
Scientific Thought	Statement of hypothesis; clarity of purpose; identification of all relevant variables.
Scientific Method	Evidence of depth of study and effort in employing scientific procedures; proper methods followed for experimentation and investigations.
Data Management	Proper recording and display of data in tables, charts, and graphs; proper analysis of data.
Conclusions	Drawing logical conclusions, consistency of conclusions with obtained data; recommendations for further research.
Applications	Practical applications of the project; benefits for society in certain ways.



Research Skills and Effort	Level of skills and effort by (each) researcher to carry out the project; amount of work; high level of understanding of the techniques and equipments used to gather data.
Understanding the Project	(Each) Student's understanding of each step during the implementation of the project.
Quality of Display	Well organized display; project journal.

14. Judges: Local organizing committee and MAPST will invite specialists as referees according to the research topics and content of the submitted projects.
15. Awards:
- A. Each category with
- (1) **Gold Award**
 - (2) **Silver Award**
 - (3) **Bronze Award**
 - (4) **The Best Poster Award**
 - (5) **The Best Presentation Award**
 - (6) **Honorary Award**
- B. Special awards (Each project can choose to participate in special award evaluation, please indicate in the application form.):
- (1) **Orbis Eye-Care Innovation Award** (Participating project should have potential application and/or impact on eye health conditions and diseases)
 - (2) **CEM Powering Forward Award** (Participating project should have potential application and/or impact on electricity and/or energy research)
 - (3) **Low-Cost & High-Impact Award** (It is required that the equipment used in the project does not exceed 100,000 MOP, and the expenditure on consumables does not exceed 10,000 MOP. The project should be able to create a high social impact with a relatively low budget.)
 - (4) Others (to be updated)
16. Results Announcement & Awards Ceremony: Late November 2021 (To be confirmed).
17. Appeals:
- (1) Preliminary round appeal period: Before 3rd November 2021(to be confirmed)
 - (2) Final competition appeal period: Before 10th December 2021 (to be confirmed)
 - (3) Appellants should write down their real names and contact information, also state clearly the appeal details;
 - (4) Information from appellants will be kept confidential;
 - (5) Any anonymous appeals will be treated as reference only
18. International Events:
- (1) In 2022, MAPST will lead selected teams to attend different international competitions or exhibitions, such as I-SWEEEP (Houston, USA), International Conference of Young Scientists (ICYS), Asian Pacific Conference of Young Scientists (APCYS), OKSEF (Izmir, Turkey), Hong Kong Student Science Project Competition (HKSSPC, HK), Milset Science Expo (International, Asia,



Europe, South America), International Conference of Young Social Scientists (ICYSS), etc; (Subjected to epidemic situation and travel restrictions)

- (2) The arrangement of the teams to participate in international events will depend on the funding situation and the event regulations;
- (3) The number of students in each team will also be limited according to the requirements of the international competitions. If the number of team members exceeds the number of participants in the competition, the team must decide on their own representatives.

19. Enquiry:

E-mail : mys.macao@gmail.com

Wechat Page: please search “macau_steamlab”

Telephone : 6372-3855 or 8822-2636 Ms. Chen (office hours)

20. Prize:

Medal	Prizes		
	Cash(MOP)	Medal	Certificate
Gold Award	To be confirmed	✓	✓
Silver Award	To be confirmed	✓	✓
Bronze Award	To be confirmed	✓	✓
The Best Poster Award	To be confirmed	/	✓
The Best Presentation Award	To be confirmed	/	✓
Orbis Eye-Care Innovation Award	/	Souvenir	✓
CEM Powering Forward Award	/	Souvenir	✓
Low-Cost & High-Impact Award	/	/	✓
Honorary Award	/	/	✓

21. Remarks:

- (1) Projects are suggested to be further developed or enhanced according to the requirement of the competition if the projects have been submitted to a similar competition;
- (2) The organizer and the authors jointly have the right of the use and copyright of the winning projects;
- (3) If the work involves infringement, the author must bear relevant legal responsibilities;
- (4) If any problems occur during the judging process and this regulation fails to take into account, the jury will decide at its sole discretion;
- (5) The selected projects and students have the opportunity to participate in international activities on behalf of Macao SAR, China;
- (6) All projects participating in international events must be approved by the organizer, and the teachers and students will be assigned to form delegations accordingly;
- (7) The representative team consists of the winning teams and its members. In principle, it cannot be replaced by other members; if no member of the team can participate in the international event, the qualification of the team will be cancelled;
- (8) The organizer and co-organizers reserve the right to interpret and amend the regulations.



22. Measures taken when tropical cyclone and rainstorm signals are in force:

	Issue Time		Arrangement	
Rainstorm Warning	6:30		Reschedule morning events	
	12:00		Reschedule afternoon events	
Tropical Cyclone Signal	No. 3	6:30	Reschedule morning events	
		12:00	Reschedule afternoon events	
	No. 8 or above	6:30	Reschedule morning events	
		12:00	Reschedule afternoon events	
	No. 8 or above is lowered to No. 3	6:30-24:00 (No. 3 is still in force at 06:30)		Reschedule whole-day events
		The organizer will announce further arrangement on the day/ the following day the events call off.		

Updated in June 2021