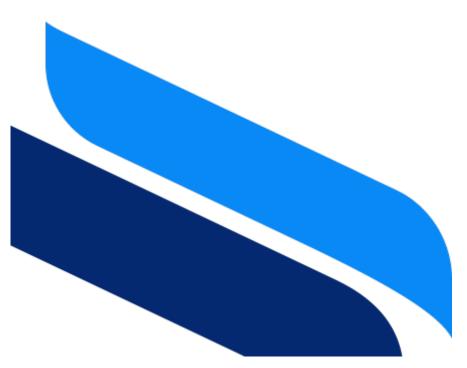
Undergraduate [2021] Poster Competition

Office of the Vice-President (Research & International)





Undergraduate Poster Competition

About

- annual event (in the fall term)
- showcases undergraduate students' expertise and passion for research
- \$5,000 in cash prizes: (five categories)
- i) applied sciences, ii) creative works, iii) health sciences, iv) social sciences & humanities, and v) natural sciences
- breadth and variety of research is significant



Undergraduate Poster Competition Eligibility

Is open to all students who:

- are enrolled at the UofM as an undergraduate
- have a UofM advisor
- are on track to obtain a UofM undergraduate degree



Undergraduate Poster Competition

Notes:

- participation in the undergraduate poster will be noted on your <u>co-curricular record</u>
- students who graduated in May 2021 are eligible to enter provided the research presented on the poster was completed while registered as an undergrad



Undergraduate Poster Competition Registration

• complete online form by:

Wednesday, October 18, 2021 by 4 p.m. CDT

to do that, go to poster competition webpage

http://umanitoba.ca/postercompetition







Home / Research / Opportunities and support for research / Undergraduate Research Poster Competition

Showcase your expertise and passion for research.

The 2021 Undergraduate Research Poster Competition will take place **online**. Refer to dates, deadlines and information below.

About the competition

The Undergraduate Research Poster Competition is an annual event that takes place every fall at UM. \$5,000 in cash prizes (three awards in each category) are up for grabs in five categories:

- Applied Sciences
- Creative Works
- Health Sciences
- Natural Sciences

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Social Sciences and Humanities

The event gives undergraduate students the opportunity to present research they've conducted with their advisors over the past year. The breadth and variety of research is significant.

The Undergraduate Research Poster Competition is a recognized UM Co-Curricular Record activity and all participants will be recognized.

• 2020 Undergraduate Research Poster

Opportunities and support for research Undergraduate Research Poster Competition

Competition Undergraduate Research Awards

UM Postdoctoral fellows

- Banting Postdoctoral Fellowships Dimensions Equity, Diversity and Inclusion
- Best Practices in Research Management Canada Research Continuity Emergency Fund

Research Support Fund Research policies and guidelines



Register Deadline to submit form, pdf

poster & video link is: OCTOBER 18, 4:30 PM (CT)



Undergraduate Research Poster Competition 2021					
Name* First Name	Last Name		Email* (@myumanitoba.ca	address only)	
Address*					Student Number*
Address Line 1					7-digit number
Address Line 2 City		Province	\$	Postal Code	
Faculty* Please select one ♠	Department		l am an Undergi Research Award Recipient* Yes No		This is my first time participating in the Undergraduate Research Poster Competition * Yes No
		Save and Res	ume Later		



Dates and Deadlines

Oct. 7, 2021	Information Session (online) - NOON - Register via email: postcomp@umanitoba.ca
Oct. 18, 2021	Registration Deadline - to include form, pdf poster and video link
Nov. 1, 2021 - Nov. 2, 2021	Competition online viewing & judging
Nov. 2, 2021	Judging completed & submitted by 4:30 PM (CT)
Nov. 3, 2021	Competition Winners Posted - 1:30 PM (CT) - on this page



Competition Format & Specifications

Competition format	+
Poster specifications	+
File naming requirements	+
Video specifications	+
Video FAQs	+
Judging Criteria	+



Competition Format & Specifications

Competition format

Students will produce a poster and submit it in PDF format. They must also submit an accompanying video with their poster when registering. The posters and a link to the videos will be displayed on the poster competition website for viewing and judging, with winners announced on this webpage.

Poster specifications

48"w x 36"h - landscape - pdf file no greater than 25 mb in size

Include the correct UM logo per the brand guidelines

You are NOT required to print your poster for this online competition.

File naming requirements

Use this file naming convention for your PDF file:

2021-UMUPC-CATEGORY-LASTNAME-FIRSTNAME.pdf (upper or lowercase)

e.g., 2021-UMUPC-NS-Doering-Jay.pdf

Category Abbreviation
Applied Sciences - AS
Creative Works – CW
Health Sciences – HS
Natural Sciences – NS
Social Sciences & Humanities - SSH
Health Sciences – HS Natural Sciences – NS



Video specifications

The video should capture you explaining your poster in a maximum time of 3 minutes.

- Check out the <u>UM3MT webpage</u> for tips and videos on presenting your research in a succinct way.
- Your video will allow viewers to watch you present as if you were at an in-person poster session
- It is not required that your poster be in view (in the background) while filming your presentation
- The poster pdf will be on the webpage next to the link to your video presentation, when uploaded, to allow viewers to see your poster and watch your presentation

Video must be no longer than 3 minutes in length.

The link can be Public or Unlisted but must be included in the submission form as a link. Information on the difference between these two options and how to change these settings <u>can be found on this Google Youtube info page</u>.

When posting your video to YouTube include the following info in your video:

- Title of your poster
- Your name
- Your research mentor/supervisor's name, department, faculty
- Category you are competing in (applied sciences, creative works, health sciences, natural sciences, social sciences and humanities)
- This text:



The Undergraduate Research Poster Competition is an annual event that takes place every fall at the University of Manitoba (UM). \$5,000 in cash prizes (three awards in each category) are up for grabs in five categories: Applied Sciences, Creative Works, Health Sciences, Natural Sciences, and Social Sciences and Humanities.

The competition is sponsored by the VP Research and International office. The competition provides UM undergraduate students the opportunity to present research (including a literature search) they've conducted with their advisors over the past year. The breadth and variety of research is significant.

The Undergraduate Research Poster Competition is a recognized UM Co-Curricular Record activity and all participants receive this recognition. Each poster is adjudicated and awarding of prizes is based on the judging criterion. Details can be found on the <u>Undergraduate Research Poster Competition webpage</u>



Video FAQs

How long should my video be?

Maximum length is 3 minutes.

How do I record the video?

The video can be recorded using a camera or smartphone and then uploaded to YouTube. As long as it is an uploaded video of you presenting your research posted on Youtube, how you record it is up to you.

How do I post a video to YouTube?

Visit Google's page for How To upload videos to YouTube from your computer, smartphone or tablet 2.

How do I make my poster Unlisted on YouTube, to protect my Intellectual Property, if I am planning to publish my research?

This link to Google 2 provides an overview of the difference between a Private and Unlisted video. For the Poster Competition you must provide either a Public or Unlisted link to the video in the submission form.



Judging Criteria

The judges will be evaluating your posters on the following criteria:

Criteria	Points
Scholarly Content/ Scientific/Creative Content	25 Points
Appropriate use of images, graphic representation, and/or tables	10 Points
For Non-Creative Works (Natural Sciences, Health Sciences, Applied Sciences, Social Sciences and Humanities): Appropriateness of headings, clear objectives and conclusions. For Creative Works: Clear description/explanation of creative process, identification of issue explored and learning that resulted from the creative project.	25 Points
Overall impression and significance of research	25 Points
Effective communication to the audience through written or visual language that avoids the use of jargon	15 Points
Total	100 Points



Resources & Information

Poster Competition Info Session Sept 29 2020 - poster-competition-info-session-2020-powerpoint.pdf

86+ million tips for creating a research poster presentation ♂ from Google

<u>Ten Simple Rules for a Good Poster Presentation</u> ☐ - from 2007, but still relevant!

<u>8 ways to create a powerful research poster</u> ☐ - tips on using white space, colour, organization and fonts. <u>Design tips for creating arts and humanities posters</u> ☐ – from Mark McDayter's blog

FAQs



FAQs

I am now in a Master's program at UM. Can I submit a poster I completed before I graduated?	+
I am a UM student doing research at another university – am I still eligible to participate in the competition?	+
Could I submit a poster for a project that isn't completed yet?	+
I did a project this summer with a company where I worked. Could I present the research work I did with the the them at this competition?	+
This summer I participated in a project with many people working on it. Should my poster demonstrate the entirety of the project or just my contribution as a research assistant?	+



Useful Resources

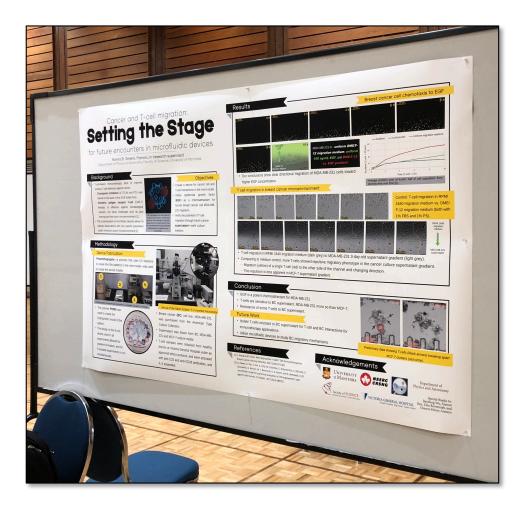
Tips for making a better research poster *





* AJE - American Journal Experts

Examples of Posters





			2012
		of Canola and Oat in a dry	growing season
	La llunctor USE	of Canola and Oat in a dry	University
	Soil Water use	eet Brar and Dr. Yvonne Lawley, Department of Plant Scien	MANITOBA
	Ramanpreet Brar, Dr. Navne backtigeneraties ca. Namest Backunanted		The second se
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	CONTRACTOR DESCRIPTION	Results	Table3:Comparison of prowing season(2018) temperature and consistive precipitation(PPT) with 30-year normal (1981-
	Introduction - Canola is one of the most important and profitable obseed crop for tamers in Western Canada (Canola Council of Canada 2017).	-Canola -Oat	2010). Moetha 2018 Average Normal Temp. 2018 PPT Normal PPT Temp. TCI ("C) (mm) (mm)
	 Oat is a seriel crop grown in Canada mainly for exports to food processors in other countries. (Praine out of the countries of the countries) 	C 0.080 13 M-2758 5 M-2758 20 M-2758 10 Aug_2018	May 14.7 11.5 47.8 05.0 June 18.8 17.2 97.3 96.4
	 Optimum water requirement for carros an a growing season is 400mm to 480mm (Alberta Agriculture and freeworks 2018) whereas not services 430mm of action 	3 505545-05 2018-05-16 2018-05-36 2018-07-05 2018-07-26 2018-05-05 2018-06-15 2018-05-15 2018-05-15	Jaby 21.9 15.6 30.8 74.8 August 10.1 15.6 30.8 74.8 Table2: Analysis of Variance for the effects of crop type, 10.1 10.1 10.1
	in a growing teason (Durn R et al.2008). - Canda and out have two different types of not systems is it ap not and fibrual root respectively. Thus, bit crops acquire water from different sol depth at different growth stages.	Figure 2: Sol mointure content comparison of canola and out averaged over all sampling depths at four different data.	soli depth and measurement time with their interactions on soli moisture. Anahola of Variance(ANOVA)
	depth at different growth stages. Canola and out have higher water requirement during the reproductive growth stages like flowering and hasting, pod or grain fit (Aberta Apricoliume and	0.300 A A -5cm 6 6 0.300 A A -3cm 6 0.300 A A A -3cm 6 0.300 B - B - - 6 0.300 B - <td< td=""><td>Effect Dogram of training (Problem) Crop 1 1.08 0.3095 Deprint 3 9.57 0.0001</td></td<>	Effect Dogram of training (Problem) Crop 1 1.08 0.3095 Deprint 3 9.57 0.0001
	forestry.2016) Since 2018 was a dry year(Table 1), it was great opportunity to study and water use the forces have	2 0.000 - 100cm	Depth 3 9:17 0.0003 Crop/Depth 3 0.09 0.9458 Thee 3 19:73 0.000
	Important crops. Water availability stress, especially during reproductive stages of the crop can result in poor crop yields.	3 2018-06-13 (Reume ar 2018-07-83 (Ped Dev or 2018-07-38 (Ped or Grain 2018-06-10 (Mutacrhy) Titler) Reading (Period Read) (Ped Dev or 2018-07-38 (Ped Dev or 2018-06-10 (Mutacrhy) Figure 3: Cannulative soil molehave context at depths of Son, 35cm, 55cm and 100cm averaged over both canola and out at two data presenting four difference meant mass.	Organization 3 2.5.0 0.01601 DepthTime 9 3.06 0.0060 Cogp/DepthTime 9 0.51 0.8566
	Objectives To identify the pattern of soli-water use of canola and out at different growth stages To remove an element growth stages	Our is to change so including content at depth of Son, Ston, Soon and 100cm averaged over both canola and coint is four data representing four different growth stages. Data points followed by the same letter are not significantly different which a surpling date 0.000 = 0 Cepth = 5 cm	Key findings Athough Canola and Oat have different types of root systems, solve and Oat have different types of root
	 Is obsetly the pattern of sol-water use of canola and oat at different growth stapes. To compare sol mostare at four depths (Som, Som, Som and 100m) is a sol profile between canola and out copp sowr the dry growing season. 	-Avg(Canola) -Avg(Oat)	orops at all depths over growing period (P=
	Material and Methods The experiment was conducted at the University of Manitoba research station, near Carnan, M8 HIPDO 2595, 5970 KTW). The sold was an Office Black Cherrocene from the Denham states with	I and	Earlier in the growing season canola had a higher moisture content than oat averaged over all denthe
	149/23 53% 50/01 47W). The sol was an Orbic Black Cherrocen from the Denham series with a Islam texture.	3 Rom no se minero a	Solution
	Experimental design was randomized Compare Bioloci design with 4 replicates and plot size of tim x Bin. Canola (14.48), and Cottilication area and	0.00 10 (Depth - 200x)	Obtain and dropped after 20 but feet a
	en out (1448) and OutSouria wave seeded on May 11 2018 at depth of Londea with 7.5m rev second 5.64 montume sensors(ICH03 ECL-5) wave installed on June 1, 2018 by doping 50m role and the lose in provid to make and montume installed bios in provid to make and sensors (ICH03 ECL-5) wave installed bios in provid to make and the sensors (ICH03 ECL-5) wave installed bios in provid to make and the sensors (ICH03 ECL-5) wave in the sensors (ICH03 ECL-5) wave installed bios in provid to make and the sensors (ICH03 ECL-5) wave in the sensors (I	15	There was low cumulative previotations fill
	hose in ground to reasoure volumetric soil moisture. Soil Sensors were placed perpendicular to hole wall all than depties i.e. Son, 300m, 650m and hole wall	3 6866 201640-06 201640-56 201640-56 201640-56 201640-56 2016406-53 Dow	content declined at 5cm and 30am to soll moisture
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