2022 UM Student Symposium: Call for Abstracts

Thank you for your interest in the 2022 UMaine Student Symposium.

The Center for Undergraduate Research, Student Government, and Graduate Student Government invites the submission of student research and creative activities abstracts from all disciplines to be presented at the 2022 UMaine Student Symposium. All presentations will be submitted electronically and posted on the UMSS website for viewing and judging (umaine.edu/umss). Students are also highly encouraged to present a poster at the in-person event on April 15th, 2022.

Abstract submissions will only be accepted using this form. Please be sure that you have worked with your Faculty Mentor to develop your abstract. Your abstract will be sent to your Faculty Mentor for approval after submission. The abstract should be 250 words or approximately 1500 characters and describe the focus, method or process, and outcomes of the project following discipline/program-specific standards as advised by faculty mentors.

Entries must be authored by one or more undergraduate or graduate students from the University of Maine or the University of Maine at Machias, and must be endorsed by a faculty mentor. All email correspondences will be sent to the submitting student author completing this form. If you are presenting with more than one presenter (group posters, oral presentations, or exhibits), as the submitting author, you are responsible for passing all email correspondences and information to your co-presenters.

Abstract Submission Deadline: Monday, March 7th, 2022

Abstract approval and abstract number notifications will be sent by email to the submitting student, beginning on Tuesday, March 15, 2022.

Virtual Presentation Submission Due on or Before: Friday, April 1st, 2022 at 5:00 p.m.

In-Person Event Date: Friday, April 15th, 2022 9:00 a.m. - 3:00 p.m.

Event Location: New Balance Field House and Gym

*Please note that all submissions are final. The abstract and abstract number provided will be the version used for all event materials. You cannot make any corrections once this abstract form is submitted. Please be sure to read and review your work before submitting.

*All submissions must be reviewed and pre-approved by the faculty mentor associated with the project. Any submissions without faculty mentor approval will not be accepted.

*Please note that every presenter (including all co-presenters) must register for the in-person event, if they chose to attend. Registration is handled in a separate form. This abstract submission form should not be viewed as registration to attend the event.

*For more information about being a presenter at the UMSS22 Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters-umss22/

If you have further questions or are in need of more information please email us at um.symposium@maine.edu or live chat us at umaine.edu/umss/.

	he respondent's email (null) was recorded on submission of this form. Required
1.	Email *
2.	I understand that presentations will be posted for public viewing, and any proprietary information has been left out of my presentation. * Please contact us for more information.
	Check all that apply.
	Yes, I confirm.
3.	Faculty endorsement received. * I confirm that my faculty mentor reviewed and approved the submitted abstract.
	Check all that apply.
	Yes
4.	Faculty Mentor Title *
	Mark only one oval.
	Mr.
	Mrs.
	Ms.
	Dr.
	Prof.

5.	Faculty Mentor Name * Please only use the full name (first last) with	n no prefix. e.g. Jane Doe.
6.	Faculty Mentor University Email *	
7.	Academic Department / Research Please specify your Faculty Mentor's Acader (FIRST, ASCC, etc.)	Unit * mic Department (Physics Department, etc.) or Research Unit
	ubmitting Student Author formation	This information is pertaining to the student submitting this abstract.
8.	Student First Name *	
9.	Student Last Name *	
10.	Student Email * Must provide @maine.edu address	
11.	Student MaineStreet ID number * Note: this your ID number not your maine.e	

12.	2. At which University are you currently enrolled? *	
	Mark only o	one oval.
	UMair	ne
	UMM	- Machias
13.	Program o	f Study *
	Mark only o	one oval.
	Under	rgraduate Student
	Hono	rs Undergraduate Student
	Gradu	uate Student (Master's)
	Gradu	uate Student (PhD/iPhD)
	stract omission	Please be sure that you review your submission before it is submitted. All submissions are final. The abstract and information provided will be the version used for all event materials. There will be no opportunity to make revisions once submitted. Please enter information carefully.
14.	Project Titl	e *
	Wastewater o	tle must have all major words capitalized and not contain symbols, e.g. The Effects of n Fish Growth in an Enclosed Pond, NOT The effects of wastewater on fish growth in an d. Do not use " ".
15.	Project Ab	stract *
	250 words and	d 1500 characters

Faculty mentor and first student author should discuss this option. Normally, abstracts based on undergraduate work even if they have a graduate student mentor, select undergraduate showcase. Graduat students research is presented in Graduate Exposition part of the symposium. Mark only one oval. Graduate Exposition Skip to question 17 Undergraduate Showcase Skip to question 20 For Graduate Presentations: Please select one of the following categories that best fit your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/* Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or colleges)	16.	Are you entering this abstract for Graduate Exposition or Undergraduate Showcase? *		
Graduate Exposition Skip to question 17 Undergraduate Showcase Skip to question 20 For Graduate Presenters For Gradu		undergraduate work even if they have a graduate student mentor, select under	graduate showcase. Graduate	
Graduate Exposition For Graduate Presenters For Graduate Presenters 17. Graduate Presentations: Please select one of the following categories that best fit your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/ * Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Mark only one oval.		
For Graduate Exposition 17. Graduate Presentations: Please select one of the following categories that best fit your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/ * Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Graduate Exposition Skip to question 17		
17. Graduate Presentations: Please select one of the following categories that best fit your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/ * Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Undergraduate Showcase Skip to question 20		
your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/ * Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or	Gr	aduate Exposition	For Graduate Presenters	
your research. *For more information about being a presenter at the Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters/ * Please verify with your mentor which category you should choose. Mark only one oval. Allied Health Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or				
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Arts Biomedical Sciences Business Education Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Mark only one oval.		
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Engineering and Information Sciences Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Business		
Natural Sciences Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Education		
Physical and Mathematical Sciences Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Engineering and Information Sciences		
Social Sciences and Humanities Interdisciplinary Research (research across 3 or more different departments or		Natural Sciences		
Interdisciplinary Research (research across 3 or more different departments or		Physical and Mathematical Sciences		
		Social Sciences and Humanities		
			nt departments or	

18.	18. Are you or your Co-Authors international or out-of-state students? * Check all that apply, in case you have co-authors from Maine and out of state and other countries.		
	Mark only one oval.		
	Yes, one or more of co-authors are international student(s)	ı.	
	No, we are all local students from Maine.		
	Yes, one or more of co-authors are from out-of-state, but w	rithin the country.	
19.	Project Keywords (Up To 3) *		
	Separated by commas, please list 3 major keywords to help others find you sciences, genetics, marketing, new media, bioengineering, etc.)	ur work easier. (e.g. marine	
Skip	to question 24		
Un	dergraduate Showcase	For Undergraduate Students	

20.	Undergraduate Presentations: Please select one of the following categories that			
	best fit your research. *For more information about being a presenter at the			
	Symposium and for a helpful guide on the below categories visit: https://umaine.edu/umss/presenters-umss22/ * Mark only one oval.			
	Arts			
	Biomedical Sciences			
	Business			
	Education			
	Engineering and Information Sciences			
	Natural Sciences			
	Physical and Mathematical Sciences Social Sciences and Humanities			
	Interdisciplinary Research (research across 3 or more different departments or colleges)			
21.	Project Keywords (Up To 3) *			
۷1.	Separated by commas, please list 3 major keywords to help others find your work easier. (e.g. marine			
	sciences, genetics, marketing, new media, bioengineering, etc.)			
22.	Would you like to opt into the UMaine System's Micro-Credentials Undergraduate			
	Research Scholar program? This program is free and can be easily acquired			
	through the research process. More information about UMS Micro-credentials car be found here: https://www.maine.edu/student-success/micro-			
	<u>credentials/professionals/</u>			
	Mark only one oval.			
	Yes			
	○ No			

23. Are you or your co-authors international or out-of-state students? * Check all that apply, in case you have co-authors from Maine and out of state and other countries.		
Mark only one oval.		
	Yes, one o	or more of co-authors are international student(s).
	No, we are	e all local students from Maine.
	Yes, one o	or more of co-authors are from out-of-state, but within the country.
	deo esentation	Check all that apply, in case you have co-authors from Maine and out of state and other countries.
24.		
	I understand	j.
25.	um.symposiun	this form you will be required to submit a video presentation to n@maine.edu by April 1st, 2022. Would you also like to present at the nt on Friday, April 15th, 2022? *
	Mark only one	oval.
	Yes	
	No	
ln-	Person Presenta	ation

20.	-	g at the in-person event? *
	Mark only	one oval.
	Yes	
	No	
27.	Will you be	e presenting a poster (36x48) or an exhibit (24x36 poster with table)? *
	Mark only	one oval.
	Posto	er (36x48)
	Exhib	pit (24x36 with table)
	N/A:	I will only be submitting a virtual presentation
an	esenters d Co- thors	If you are presenting with a group, please fill out this information. Please note, Co-Presenters are different than Co-Authors who are not presenting. All authors that contributed to this work (presenting or not) should be listed in this section (please do not list your faculty mentor here again as that info was captured on top of this form). This section is to list up to 5 co-presenters or co-authors, i.e. co-authors who are presenting this work alongside you. If you have more than 5 co-authors and presenters (not including faculty mentor(s)), we recommend you submit two separate abstracts and break the contributions appropriately into two different projects.
28.	1st Co-Au e.g. John Doe	thor's Full Name
29.	1st Co-Au ⁻ e.g. <u>j.doe@m</u>	thor's Email aine.edu

30.	Is this 1st Co-author also a Co-presenter?
	Mark only one oval.
	Yes No
31.	Do you have more Co-authors or Co-presenters to add? *
	Mark only one oval.
	Yes Skip to question 33
	No Skip to question 52
32.	Is this 1st Co-Author a Graduate student or Undergraduate Student?
	Mark only one oval.
	Graduate Student
	Undergraduate Student
	Neither
2nd	d Co-Presenter or Co-author
33.	2nd Co-Author's Full Name
	e.g. John Doe
34.	2nd Co-Author's Email
J -1 .	e.g. j.doe@maine.edu

35.	is this 2nd Co-author also a Co-presenter?
	Mark only one oval.
	Yes
	◯ No
36.	Do you have more Co-authors or Co-presenters to add? *
	Mark only one oval.
	Yes Skip to question 38
	No Skip to question 52
37.	Is this 2th Co-Author a Graduate student or Undergraduate Student?
	Mark only one oval.
	Graduate Student
	Undergraduate Student
	Neither
3rd	Co-Presenters and Co-authors
20	Ord Co. Authorita Full Name
38.	3rd Co-Author's Full Name e.g. John Doe
39.	3rd Co-Author's Email
	e.g. <u>j.doe@maine.edu</u>

40.	Is this 3rd Co-author also a Co-presenter?
	Mark only one oval.
	Yes
	No
41.	Do you have more Co-authors or Co-presenters to add? *
	Mark only one oval.
	Yes Skip to question 43
	No Skip to question 52
42.	Is this 3rd Co-Author a Graduate student or Undergraduate Student?
	Mark only one oval.
	Graduate Student
	Undergraduate Student
	Neither
4tl	n Co-Presenters and Co-authors
43.	4th Co-Author's Full Name
10.	e.g. John Doe
44.	4th Co-Author's Email
	e.g. <u>j.doe@maine.edu</u>

45.	Is this 4th Co-author also a Co-presenter?
	Mark only one oval.
	Yes
	◯ No
46.	Do you have more Co-authors or Co-presenters to add? *
	Mark only one oval.
	Yes Skip to question 48
	No Skip to question 52
47.	Is this 4th Co-Author a Graduate student or Undergraduate Student?
	Mark only one oval.
	Graduate Student
	Undergraduate Student
	Neither
5th	Co-Presenters and Co-authors
40	Eth Co. Authorio Full Namo
48.	5th Co-Author's Full Name e.g. John Doe
49.	5th Co-Author's Email
	e.g. j <u>.doe@maine.edu</u>

50.	Is this 5th Co-Author also a Co-presenter?
	Mark only one oval.
	Yes
	No
51.	Is this 5th Co-Author a Graduate student or Undergraduate Student?
	Mark only one oval.
	Graduate Student
	Undergraduate Student
	Neither
Со	nfirmation page
52.	Does the project involve human subjects or animal research? *
	Mark only one oval.
	Yes
	◯ No
53.	If you answered yes to the previous question, has it been approved by the
JJ.	Institutional Review Board (IRB) or Institution Animal Care and Use Committee
	(IACUC)? *
	Mark only one oval.
	Yes
	◯ No
	○ N/A

54.	I have my Institutional Review Board (IRB) or Institution Animal Care and Use Committee (IACUC) Number: *
55.	How did you hear about the UMaine Student Symposium?
56.	My faculty mentor and I have both reviewed this abstract for submission and confirm that this is an original contribution written by the co-authors listed above in its final form. I understand that the abstract I am submitting will be the version published in the event program and that there will be no opportunity to make revisions once submitted. * Check all that apply. Yes, I confirm.

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