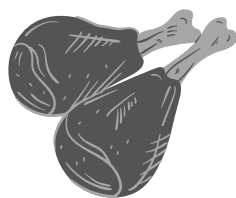
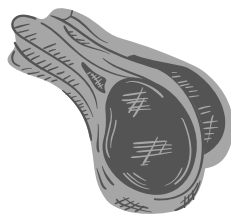
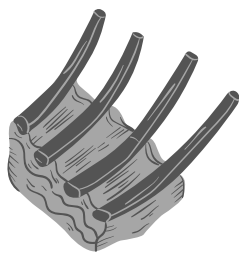




**ANNUAL GENERAL MEETING
AND
SCHOLARSHIP WINNERS' PRESENTATIONS**

AGENDA PACKAGE

October 7th, 2021
AT 11 AM EST (9 AM MST)





Annual General Meeting

AGENDA

Thursday, October 7th, 2021, at 11 am EST (9 am MST)
Meeting held by teleconferencing only due to COVID-19
Link to the meeting [HERE](#)

1. Call to Order and Verification of Quorum
2. Welcome & Introductions
 - a) CMSA Executive Members
 - b) Recognition of Corporate Sponsors
3. Approval of Agenda Package

The Agenda package was sent out by e-mail prior to this meeting, in order to shorten the AGM, since it is held online this year. Members were invited to approve the agenda, financial report and committee reports online in order to make the approval process quicker during the meeting.

It would be greatly appreciated that any questions regarding the reports can be sent to admin@cmsa-ascv.ca before the meeting. There will be a period for questions during the meeting as well.

- a) Last meeting's minutes (July 7th, 2020)..... pages 2 to 4
 - b) President's reportpage 5
 - c) Financial reportpages 6 to 10
 - d) Committee reports.....pages 11 to 15
4. Nomination and Election Committee Report
 - a) Election of 2021-2022 Executive Committee page 16
5. New Business
6. Scholarship Winners' Presentations
 - a) Percy Gitelman Memorial Scholarship – Justice Bless Dorleku
 - b) Steve Morin Memorial Scholarship –MD Mahmudul Hasan
7. Adjournment



Annual General Meeting

*Tuesday, July 7th, 2020, at 11 am EST (9 am MST)
Meeting held by teleconferencing only due to COVID-19*

MINUTES

1. Call to Order and Verification of Quorum

President Benjamin Bohrer Calls the meeting to order and declares that the quorum was reached, 22 people have already approved the Agenda package as sent by the CMSA Administrator.

2. Welcome & Introductions

a) CMSA Executive Members

President Bohrer thanks this year's Executive committee for their involvement in the CMSA. He names the members of the committee as follows:

President:

Benjamin Bohrer, University of Guelph, ON

Past President & Chair Nominations Committee:

Eric Pouliot, Olymel, Boucherville, QC

President-Elect & Chair Technical Symposium:

Argenis Rodas-González, University of Manitoba, MB

Secretary-Treasurer:

Oscar Lopez-Campos, Agriculture & Agri-Food Canada, Lacombe, AB

Director Ontario and Chair Education Committee:

Mohsen Jafarikia, Canadian Centre for Swine Improvement Inc. (CCSI), Ottawa & Guelph, ON

Director Quebec, Chair Promotions & Membership Committee:

Tania Ngapo, Agriculture & Agri-Food Canada, Saint-Hyacinthe, QC

Director West and Chair Website Committee:

Nuria Prieto, Agriculture & Agri-Food Canada, Lacombe, AB

Director – Industry and Newsletter Committee:

Jeyachchandran Visvalingam, Kane Biotech, Winnipeg, MB

- b) Recognition of Corporate Sponsors

President Bohrer thanks the CMSA's corporate sponsors, as without them, the CMSA could not accomplish its goals and mandates.

3. Approval of Agenda Package

The Agenda package was sent out by e-mail prior to this meeting in order to shorten the AGM, since it is held online this year. Members were invited to approve the agenda, financial report and committee reports online in order to make the approval process quicker during the meeting. In all, 22 members approved the agenda package and its contents electronically.

- a) Last meeting's minutes (June 4th, 2019)
- b) President's report
- c) Financial report
- d) Committee reports

4. Nomination and Election Committee Report

- a) Election of 2020-2021 Executive Committee

President Bohrer presents Slate of Nominations as presented in the Agenda Package.

The proposed nominations for the 2020-2021 term are:

Past President	Benjamin M. Bohrer, University of Guelph, ON
President	Argenis Rodas-González. University of Manitoba, MB
President-Elect	Oscar Lopez-Campos, Agriculture & Agri-Food Canada, Lacombe, AB
Secretary-Treasurer	Mohsen Jafarikia, Canadian Centre for Swine Improvement, Ottawa, ON
Director – Western Canada	Nuria Prieto, Agriculture & Agri-Food Canada, Lacombe, AB
Director – Ontario	Lisa Wormsbecher, Conestoga Meats, Breslau, ON
Director – Quebec	Tania Ngapo, Agriculture & Agri-Food Canada, St-Hyacinthe, QC
Director – Industry	Jordan Roberts, Hylife, Neepawa, MB

President Bohrer asks three times if any other nominations are proposed, and none are presented.

The nominations are therefore accepted by acclamation. President Bohrer congratulates the 2020-2021 Executive committee.

5. New Business

No new business is presented at this time.

6. Scholarship Winners' Presentations

- a) Percy Gitelman Memorial Scholarship – Ziyu (Amy) Zhou

Amy Zhou presents the contents of her research project : The relationship of pork carcass weight, leanness parameters and iodine values in the Ontario commercial industry

- b) Steve Morin Memorial Scholarship – Pascal Laforge

Pascal Laforge being unavailable, he pre-recorded his presentation and it is presented via PowerPoint. His research project is titled : Metagenomic characterization of the pork value chain.

7. Adjournment

President's Report, 2021

Dear members of the Canadian Meat Science Association,

This year, we still are confronting the pandemic crisis plus an irrefutable climate crisis. Both demands being proactive and versatile in adapting to those challenges and require us to work together for the common good. However, not all are bad news. Recently, two internationally well-known and respected Canadian meat scientists, Dr. Phyllis Shand and Dr. Shai Barbut, were recipients of the 2021 AMSA Industry & Organizational Leadership Award and 2021 AMSA Distinguished Research Award; respectively. The awards were conferred during the 74th AMSA Reciprocal Meat Conference in Reno, Nevada. Congratulations to both outstanding researchers for their contribution to the meat industry and the development of new meat scientists.

The CMSA is proud to award two promising graduate students, Mahmudul Hasan and Justice Bless Dorleku for their extraordinary academic performance and the quality of their researches during their respective graduate programs. The graduate students will provide presentations relating to their research endeavours on an online platform in conjunction with the CMSA AGM.

The CMSA continues exploring cooperation and collaboration with similar kinds of associations in the world. In this regard, I have had conversations with the Mexican Meat Science and Technology Association (AMEXITEC) in order to develop podcasts accessible to the meat industry of both countries. However, the limitations of funds to develop this endeavour is still a challenge in this pandemic time for both associations. At the same time, the President-Elect, Dr. Oscar Lopez-Campos initiated conversations with the Bangladesh Meat Science Association to establish a mutual collaboration in research activities and forums in the field. We also continue with our partnerships with the American Meat Science Association (AMSA) and look forward to connecting with meat scientists on a global scale in the future.

Throughout the year, CMSA provided newsletters and published short articles of interest for our members and the general public on our website. Also, I promoted CMSA before the undergraduate Stockman's Club in the Faculty of Agricultural and Food Sciences, the University of Manitoba through virtual workshops to demonstrate how to recognize carcass grades and primals/subprimal cuts. These activities have allowed students to develop an appreciation for meats as a protein source and to become better-informed consumers.

Finally, I would like to thank the executive committee that has helped move the association forward during the past year. Those individuals are Oscar López-Campos, Jordan Robert, Tania Ngapo, Benjamin Bohrer, Lisa Wormsbecher, Mohsen Jafarikia, and Nuria Prieto. Additionally, I would like to thank Ève Landry for everything that she does as the CMSA administrator.

It has been my absolute pleasure to serve as president of the CMSA for the past year and I look forward to the opportunity to remain involved with the association in the future.

Thank you.

Argenis Rodas-Gonzalez

CMSA President, 2021

STATEMENT OF OPERATIONS
January 1, 2020 to December 31, 2020

	Current	Budget	Variance	Previous
REVENUES	Year	Year	Current	Year
			Year	
Memberships - CMC	\$10 000,00	\$10 000,00	0,0%	\$10 000,00
Memberships - CMSA Reg	\$660,00	\$2 100,00	-68,6%	\$2 181,06
Memberships - CMSA Corporate	\$1 400,00	\$2 400,00	-41,7%	\$2 378,25
Donation - CMC for student travel	\$0,00	\$4 000,00		\$921,12
GIC Interest - general	\$1 361,31	\$512,82	165,5%	\$130,00
GIC Interest - ICoMST Reserve	\$1 165,34	\$1 072,00		\$1 072,11
Total Revenues	\$14 586,65	\$20 084,82	-27,4%	\$16 682,54
EXPENDITURES				
Admin Support	\$15 030,18	\$9 450,00	59,0%	\$10 230,70
CMC Conference / AGM Expenses	\$0,00	\$2 800,00	-100,0%	\$2 208,29
Scholarship Winner Travel Expenses	\$0,00	\$4 000,00	-100,0%	\$921,12
Gitelman Mem. Scholarship	\$1 000,00	\$1 000,00	0,0%	\$1 000,00
ICoMST Student Travel Award	\$0,00	\$2 000,00	-100,0%	\$2 000,00
Website	\$400,00	\$300,00	33,3%	\$90,00
Office Expenses	\$0,00	\$200,00	-100,0%	\$291,24
Govt Regulation Compliance	\$0,00	\$20,00	-100,0%	\$20,00
Bank Fees	\$117,48	\$300,00	-60,8%	\$160,13
Total Expenditures	\$16 547,66	\$20 070,00	-17,6%	\$16 921,48
Excess Revenues over Expenditures	-\$1 961,01	\$14,82	13332,2%	-\$238,94



STATEMENT OF FINANCIAL POSITION
2019 Fiscal Year

	Dec. 31, 2020	Dec. 31, 2019
ASSETS		
Investments:		
GIC 37-2487874-00523 - Matures Feb. 4/2021	\$47 778,84	\$46 613,50
GIC 37-2487874-00531 - Matures Feb 16, 2021	\$10 270,87	\$10 000,00
GIC 37-2487874-00532 - Matures Mar 16, 2021	\$10 332,11	\$10 000,00
		\$10 000,00
		\$10 000,00
<i>Total Investments</i>	\$68 381,82	\$86 613,50
Chequing Account:	\$24 303,68	\$8 185,01
Outstanding Cheques	\$0,00	\$0,00
	\$24 303,68	\$8 185,01
	\$92 685,50	\$94 798,51
 LIABILITIES AND NET ASSETS		
<i>Current Liabilities</i>	\$0,00	\$0,00
	\$0,00	\$0,00
 <i>Net Assets</i>		
Restricted funds for future ICoMST	\$46 613,50	\$46 613,50
Restricted funds - ICoMST Student Travel Award	\$1 679,90	\$514,56
	\$48 293,40	\$47 128,06
Unrestricted Assets	\$44 392,10	\$47 670,45
	\$92 685,50	\$94 798,51

Footnotes to Financial Statements

1. **Restricted Funds for Future ICoMST** – this fund was set up as per conditions outlined by Motions at the 2013 CMSA Annual General Meeting. A Reserve Fund in the amount of \$46,613.50 was set up by the CMSA Executive in December 2013. The motions read –

Moved that the \$30 000, remaining from the organization of ICoMST 1993 in Calgary, and the profits from ICoMST 2012 in Montreal and any other source of revenue the CMSA executive deems appropriate, be invested and held in reserve as funds for a future ICoMST meeting in Canada. That this ICoMST Reserve be held separately and not be used to fund on-going operations of CMSA. Carried.

Moved that an award, named the “CMSA Volunteers ICoMST Travel Award”, be set up to support a Canadian student to attend a future ICoMST. That the amount of the Award will consist of: a) the interest income from the ICoMST Reserve and b) any other additional sources of funding that the CMSA executive allocates to the award. That the Award be managed by the CMSA Education committee, which will determine the appropriate criteria for the recipient.

2. **Restricted Funds for ICoMST Student Travel Award**– this fund was set up as per conditions outlined by Motions at the 2013 CMSA Annual General Meeting. The motions read –

*The **CMSA-CMC Volunteers ICoMST Travel Award** was created in recognition of the out-standing service provided by volunteers in organizing the 58th ICoMST Montreal 2012. The Award was established in 2014 to offer a student studying at a Canadian University financial assistance to attend the International Congress of Meat Science & Technology (ICoMST) - most relevant international scientific conference focused on meat science and technology - to interact with meat specialists from around the world. The current award is set at \$2,000.00 per year. This Reserve is used to top up the interest received from the “Future ICoMST” reserve so that the full award amount can be presented each year.*

3. **CMSA Long-term Financial Plan** – this plan was set up as per conditions outlined by motion at the 2014 CMSA Annual General Meeting. The motions read –

- *Profits from the 1993 and 2012 Canadian-run ICoMST conferences were invested in long-term GIC, with the interest to be used yearly to support the “CMSA Volunteers and CMC ICoMST Travel Award”.*

- *Four GICs in the amount of \$10,000 each were invested, coming due at 3-month intervals, and redeemable yearly, should the funds be needed for operating expense.*
- *Under the requirements of the Canada Not-for-profit Corporations Act (NFP Act), the following statement regarding the distribution of property remaining upon liquidation of the Association has been filed: In the event of the dissolution or liquidation of the corporation, the remaining assets, after payment of debts and obligations, shall be distributed to one or more recognized organizations in Canada to support scholarships for students doing meat science projects.*

4. CMSA Financial Reserves and Balanced Budgets – this policy was approved by motion at the 2018 CMSA Annual General Meeting. The motions read –

- *that CMSA maintain a balance of the unrestricted reserve fund at a minimum level equivalent to one year's operating expenses.*
- *that all future CMSA budgets be presented as balanced, but that the CMSA Executive be given the authority to approve one-time expenses, to be taken from unrestricted reserve funds, for activities that support the objectives of the Association.*

5. CMSA Scholarships – a MOU was signed in June 2019 outlining the roles and responsibilities for the administration and payment of expenses related to the meat scholarships awarded to students annually at the Canadian Meat Council Annual Conference –

The Canadian Meat Science Association is responsible for the complete administration of the four scholarships that are awarded per year to promising graduate and undergraduate students studying or interested in studying Meat Science in Canada. This includes promoting the scholarships, receiving applications, reviewing applications and selecting winners. In addition, the Canadian Meat Science Association will assist the students with their travel arrangements including booking their travel.

The Canadian Meat Council will provide free registration to the conference and will pay for all travel expenses to participate in the conference. The Canadian Meat Council will refund the Canadian Meat Science Association for the travel expenses that they have paid on behalf of the students. The Canadian Meat Science Association will provide the names of the award winners so that the Canadian Meat Council can reserve sleeping rooms at the conference hotel as soon as possible. Travel is to be booked by the least cost option.



September 27th, 2021

Mohsen Jafarikia, Secretary/Treasurer
Canadian Meat Science Association
450-2590, boul. Laurier
Quebec (QC), G1V 4M6

Dear Mr. Jafarikia:

The CMSA Audit Committee has reviewed the financial statements of the CMSA for 2020 and finds them to be acceptable; however, there were some significant concerns as to the timeliness and recording of the payments to CDPQ. Invoices from CDPQ made in 2019 were not paid until well into 2020, and should have been paid in the same financial year as the expense and the invoice. Furthermore, cheque number 328 for invoice 9327 should have been shown as outstanding in the 2019 financial year. The CMSA Audit Committee therefore recommends that invoices be paid within the same financial year as the invoice is received. Additionally, the Audit committee recommends that future invoices indicate the period for which the expense occurred so that services can be more accurately tracked.

The CMSA Audit Committee therefore recommends that the year 2020 financial statements of CMSA be approved by the membership with these caveats at the next CMSA Annual General Meeting in late 2021.

Sincerely,

Heather Bruce
Chair, Audit Committee

cc: Members of the 2020 CMSA Audit Committee
Cindy Delaloye
Jean Howden

CMSA Education Committee Report 2021

The Education Committee is responsible for overseeing five scholarships and awards that are administered by the Canadian Meat Science Association (CMSA). These include two graduate and two undergraduate scholarships and CMSA-CMC Volunteers ICoMST Travel Award. ICoMST Travel Award was not announced this year due to CMSA's financial constraints. Additional information about these scholarships is available at the CMSA web site (www.cmsa-ascv.ca).

The volunteers participating in the Education Committee evaluated all the applications. The time that the evaluators dedicated to this task is greatly appreciated. Five applications from four institutions were received for the Graduate Student Scholarships. The two successful applicants were:

STEVE MORIN MEMORIAL SCHOLARSHIP

MD MAHMUDUL HASAN, from the University of Manitoba.

His research project is entitled: Biochemical study of rapid discolouration mechanisms in Bison meat. He completed his Bachelor of Science and Masters of Science from the department of Biochemistry and Molecular Biology, Jahangirnagar University, Savar, Dhaka-1342, Bangladesh. After completing his M.Sc. degree, he taught at the same department as a lecturer and assistant professor for almost six years. Currently, he is enrolled in a PhD program since fall 2017 at the department of Food and Human Nutritional Sciences, University of Manitoba, Winnipeg, Canada and conducting his research works, especially in the area of meat science, under the supervision of Dr. Argenis Rodas-Gonzalez.

PERCY GITELMAN MEMORIAL SCHOLARSHIP

JUSTICE BLESS DORLEKU, from the University of Guelph

His research project is entitled: Comparison of multiple evaluation techniques to determine saleable lean yield in pig carcass grading. He holds a B.S. degree in agriculture specializing in animal science from Ghana in 2017. He is currently in his final semester of the M.S. Food Science program at the University of Guelph under the supervision of Dr. Ira Mandell. His research interest is in applied meat science, and his current project work is being conducted in full collaboration with Conestoga Meat Packers. Justice's project is focused on comparing multiple evaluation techniques to determine saleable lean yield in pig carcass grading. Upon graduation, he will be joining the Ohio State University for a Ph.D. program in meat science.

We would like to take the time to express my gratitude to the members of the Education Committee. Their time and effort for completing the scholarship evaluation for 2020 is very much appreciated. Serving this year were:

Chair of the Education Committee : Jordan Roberts – Hylife

Argenis Rodas-Gonzalez – University of Manitoba.

Bethany Uttaro – Agriculture and Agri-Food Canada, Lacombe Research and Development Centre.

Monique Lacroix – INRS-Institut Armand-Frappier Research Centre.

CMSA Newsletter Committee Report 2020-2021

The Newsletter Committee this year is composed of Lisa Wormsbecher (chair), Gendel Militar, Melissa Williams and Xianqin Yang.

The Newsletter committee has released three newsletters: June 2020, March 2021 and August 2021.

The June 2020 Newsletter featured the 2020 Scholarship Winners, as well as two short articles:

- Discrimination Between Barley and Corn Finished Beef by Visible and Near Infrared Spectroscopy
- Implementation of the Canadian Five Yield Grade Ruler

The March 2021 Newsletter featured a brand-new look, as various information on our 2020-2021 Executive committee members, Membership renewal, Scholarship applications and the 67th ICoMST.

The August Newsletter featured the 2021 scholarship winners and biographies, as well as 2 short articles:

- Country of Origin and Cooking Endpoint Temperature Effect on the Flavour Profile of Beef
- Potential of In-The-Bag Dry Ageing to Improve the Flavour Profile of Beef Low Value Cuts

Respectfully submitted by –

The CMSA Newsletter Committee

CMSA Promotions and Membership Committee Report 2020-2021

The committee this year is composed of Tania Ngapo (chair).

2021 CMSA Corporate Members

COMPANY

Brookside Butcher
 Canadian Beef Grading Agency
 Canadian Centre for Swine Improvement, Inc.
 Canadian Meat Council / Conseil des viandes du Canada
 Centre du développement du porc du Québec Inc.
 Conestoga Meat Packers Ltd.
 Exceldor Foods
 Les Éleveurs de porcs du Québec
 Livestock Research Innovation Corporation
 Maple Leaf Foods
 Olymel
 PIC North America
 TOPIGS Norsvin
 University of Guelph

CONTACT

Mark Folkins
 Cindy Delaloye
 Laurence Maignel
 Jorge Correa
 Marie-Pierre Fortier
 Lisa Wormsbecher
 Murray Hundt
 Raphaël Bertinotti
 Jean Howden
 Randy Huffman
 Sylvain Fournaise
 Andrzej Sosnicki
 John Eggert
 Benjamin Bohrer

Membership

2021 CMSA Membership	
CMSA - 88 members	
36 Professional Members	
	<i>13 Academia</i>
	<i>6 Industry</i>
	<i>11 Government</i>
	<i>6 Emeriti/Retired</i>
14 Corporate Members	
38 Student Members	
CMC – 152	
TOTAL – 240	

2020 CMSA Membership	
CMSA - 91 members	
37 Professional Members	
	<i>12 Academia</i>
	<i>5 Industry</i>
	<i>14 Government</i>
	<i>6 Emeriti/Retired</i>
15 Corporate Members	
39 Student Members	
CMC – 138	
TOTAL – 229	

Variation in CMSA membership – 2017 to 2021

	2017	2018	2019	2020	2021
Academia	13	12	13	12	13
Government	16	17	14	14	6
Industry	7	6	7	5	11
Emeriti	6	6	6	6	6
Corporate	13	13	15	15	14
Students	38	42	38	39	38
Total	93	96	92	91	88

Distribution of CMSA members (professionals & students) by location

	AB	ON	QC	MB	SK	BC	Maritimes	USA	Other/ Foreign
2017	31	22	11	5	3	1	1	-	2
2018	31	21	15	8	1	1	2	-	4
2019	23	23	13	10	2	1	1	1	4
2020	23	21	14	10	2	0	0	1	4
2021	19	25	15	10	3	0	0	1	1

Distribution of CMSA student members by university

	Alberta, AB	Guelph, ON	Laval, QC	Manitoba, MB	McGill, QC	Montreal, QC	Saskatchewan, SK	Maritimes NL, NS, PE	USA/ Foreign
2017	16	8	2	2	-	1	2	1	2
2018	17	9	4	4	1	1	-	1	4
2019	11	10	5	5	1	-	2	-	3
2020	11	10	5	5	1	-	2	-	4
2021	19	25	14	10	1	-	3	-	1

Respectfully submitted,

Tania Ngapo, Chair of the CMSA Promotions & Membership Committee

CMSA Website & Electronic Communications Committee Report 2020-2021

The website committee this year was composed of Nuria Prieto (Chair), Bethany Uttaro, and the student Anne-Sophie Larivière-Lajoie from the Laval University. Website maintenance support was provided by Ève Landry.

In addition to routine site maintenance and updates (see 'What's New' on <http://cmsa-ascv.ca/home.html>), some of the activities through the year included the following:

- In March 2021, the annual checking and correcting of both the English and French sides of the website for factual and language errors, and for non-working or out of date links, was completed.
- In September 2021, specific IP addresses were unblocked or blocked as necessary in relation to infection (usually with the trojan Zeus) or to their record of creating spam.
- The password to the 'Members Only' section to permit access only to current members is still pending to reset.

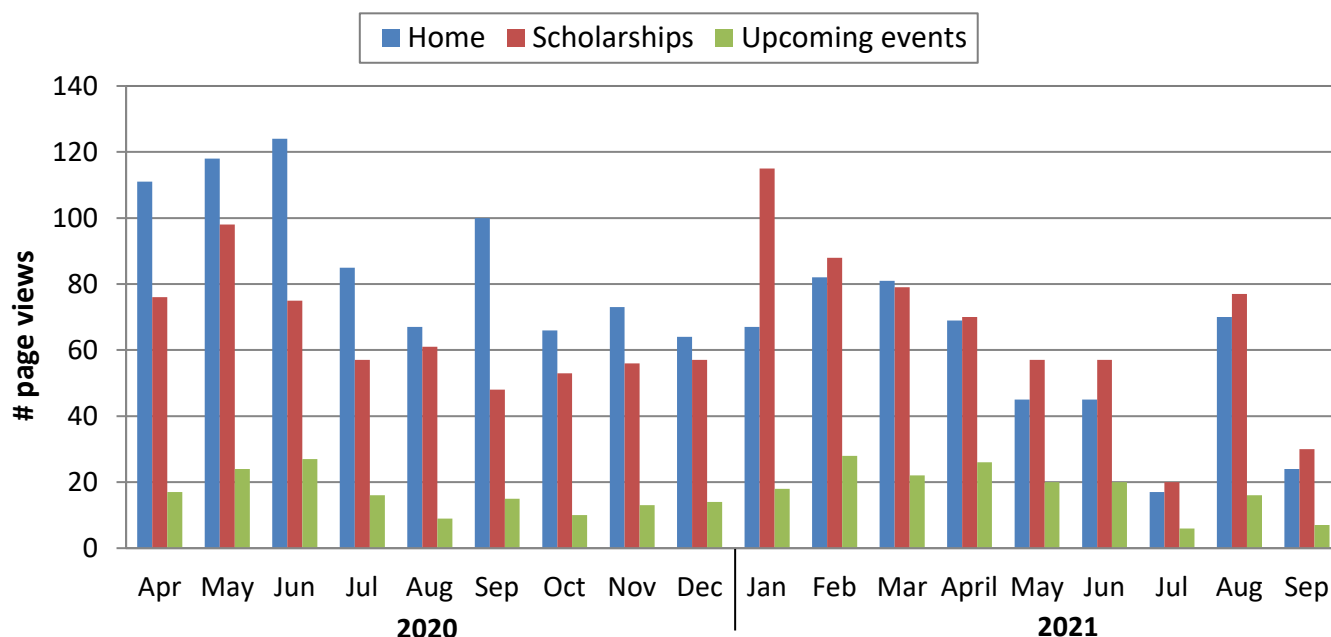
Site usage during the year on some of the most popular pages is illustrated in Figure 1. Similar to previous years, the most popular pages were Home, Scholarships, and Upcoming events. The number of visits to the most popular pages showed an apparent cyclical use of the site, with the greatest activity in Winter and Spring. Nevertheless, the number of page views has decreased considerably during the last year. The Covid-pandemic could be the main reason, mainly for the visits for the Upcoming events as most of them were either cancelled or postponed. However, we cannot oversight this reduction on number of views and we should keep active, for example, posting the newsletters periodically.

Respectfully submitted by

Nuria Prieto (Chair)

on behalf of the CMSA Website & Electronic Communications Committee.

Figure 1: A selection of the most visited pages from April 2020 to September 2021.



CMSA Nominations Committee Report, 2021

The following is the proposed slate of Officers for 2021-2022:

Past President	Argenis Rodas-González. University of Manitoba, MB
President	Oscar Lopez-Campos, Agriculture & Agri-Food Canada, Lacombe, AB
President-Elect	Nuria Prieto, Agriculture & Agri-Food Canada, Lacombe, AB
Secretary-Treasurer	Mohsen Jafarikia, Canadian Centre for Swine Improvement, Ottawa, ON
Director – Western Canada	Christine Liu, Agriculture & Agri-Food Canada, AB
Director – Ontario	TBD
Director – Quebec	Tania Ngapo, Agriculture & Agri-Food Canada, St-Hyacinthe, QC
Director – Industry	Jordan Roberts, Hylife, Neepawa, MB

Submitted by -

Benjamin B. Bohrer

CMSA Past President and Chair of the Nominations Committee