



ADM Newsletter

A Publication of the Academy of Dental Materials

2024, Issue 1

Message from the President

By Milena Cadenaro

Dear ADM Members, dear friends,

2023 was a very productive year for our Academy. We organized a successful annual conference in San Diego, California, USA, on October 4th-7th, 2023, about Testing and Performance: Laboratory and Clinical Challenges. The positive outcome of the Meeting was guaranteed by the nine outstanding keynote lecturers, six Lunch & Learn speakers, two Meet-the-Industry sessions, and Marshalls Award finalists' presentations. With more than 300 attendees and 190 posters, we could replicate the numbers we were used to before the pandemic. The joint Meeting with the American Academy of Cariology (AAC) in the same venue the day before our conference with speakers from both the AAC and ADM focusing on the biological interactions of materials with the oral tissues and novel formulations to enhance the longevity of restorations was an enriching experience of exchange of expertise much appreciated by those

who attended the Meeting. I'd like to thank the 2023 AAC President, Sandra Guzman-Armstrong, for sharing this opportunity with us and the ADM speakers who contributed to the scientific program.

A special thanks goes to our industry sponsors, who always support us generously, permitting us to organize the annual conference and offer many benefits for the attendees and to all that contributed to the organization of the Meeting.

Much appreciation was obtained by the social dinner on Friday, October 6, an event with a lot of food, music, fun, and sharing that created many unforgettable memories. Of course, the warm weather and the welcoming surroundings made the days spent in San Diego memorable.

A great contribution to the meeting's success came also from our social media pages and I'd like to thank Dr. Rafael Moraes, the Social Media Chair, for constantly updating the online contents.

In 2023 and over the past months, the ADM Board has worked at different levels. We have focused our efforts on revising the by-laws

regarding the fellowship criteria. The first proposal was presented during the Business Meeting in San Diego. Still, the Membership did not approve it, and we are currently working on a new proposal.

As announced in San Diego, we have started the selection process for the new Editor-in-Chief (EIC) of Dental Materials, our official Journal. The call for the EIC position was made at the end of January, and the selection results will be announced during the upcoming annual conference.

A call for nominations will also open soon for the Board Members-at-Large positions that will become vacant at the end of this year. ADM candidates will be selected by the Board based on their potential contributions to the Board in its mission and promotion of the Academy among members and externally. Elections will be held electronically at least thirty days before the annual Business meeting.

The Membership and Outreach Chair, Dr. Alex Fok, ran the first survey about the level of satisfaction of our ADM members (results are reported further in the newsletter), which gave us an essential insight into the strengths and weaknesses of the Academy. Some exciting proposals for new initiatives derived from members' suggestions were made by the Outreach Committee, and the Board intends to carry them out.

Time flies really quickly, and it is already time to announce the upcoming annual conference that will be held in the magnificent Torino in Italy on October 2nd-5th, 2024. *The longevity of dental materials, Biomaterials applications, and AI and innovative technologies* are the main topics of the Meeting, entitled "Exploring the current and future trends in dental Materials." Lorenzo Breschi, Alessandro Vichi, Reinhard Hickel, Mary Ann Melo, Josette Camilleri, Marco Bottino, Jerome Chevalier, Anne Géraldine Guex, and Sara Marceglia are the distinguished lecturers who will animate the scientific sessions. The Lunch & Learn session will feature Vinicius Rosa, Vesna Miletic, Hilde Molvig Kopperud, Salvatore Sauro, Jukka Matinlinna, and Ana Carina Bedran-Russo. We are also organizing memorable social events to enrich your journey to Italy. The hotel booking platform and the abstract submission site are already open (regular updates can be found at www.admconference.com). I would like to encourage all our members not to miss the chance to participate and visit Italy!

I am looking forward to meeting you all in Torino!

Sincerely,

Milena Cadenaro
President

ADM 2024 - Save the Date!




ACADEMY OF DENTAL MATERIALS
Exploring the Current and Future Trends in Dental Materials
 Centro Congressi Lingotto
 Torino, Italy
OCTOBER 2-5, 2024—SAVE THE DATE
WWW.ADMCONFERENCE.COM

Call for Abstracts Torino - 2024

The abstract submission site opened on **April 5th, 2024**. The Scientific Program Committee invites you to submit an abstract to be considered for Poster Presentation.

IMPORTANT DEADLINES

Abstract submission deadline:

June 7th, 2024

Preliminary abstract acceptance notifications: **July 5th, 2024**

Pre-Registration Deadline for Presenters: **August 2nd, 2024**

Final Acceptance: **August 16th, 2024**

Annual Meeting 2024

By Arzu Tezvergil-Mutluay



San Diego, CA USA
 Material Testing and Performance:
 Laboratory and Clinical Challenges
 ADM 2023
 Wednesday, October 4 - Saturday, October 7, 2023
SAVE THE DATE

After navigating through a challenging pandemic, ADM successfully organized its second in-person Annual Meeting in San Diego, USA, from October 4 to 7th. In addition, ADM actively contributed to and supported the American Academy of Cariology (AAC) meeting, held at the same venue on October 4. The AAC Meeting centered on current evidence and research concerning minimally invasive caries management and strategies to enhance dental materials and their interactions with the host. This Meeting served as a vital bridge between clinical practice and dental materials research and development, and we received positive feedback from our members, with 25 ADM representatives in attendance.

ADM substantially contributed to the meeting program with four distinguished ADM speakers -Dr. Jack Ferracane, Dr. Andrei Ionescu, Dr. Roberto Braga, and Dr. Marco Bottino-addressing biofilm management strategies,

various restorative materials, therapeutic effects, and regenerative technologies for pulp management. Following this intensive schedule, discussions continued at a joint reception held by ADM and AAC.

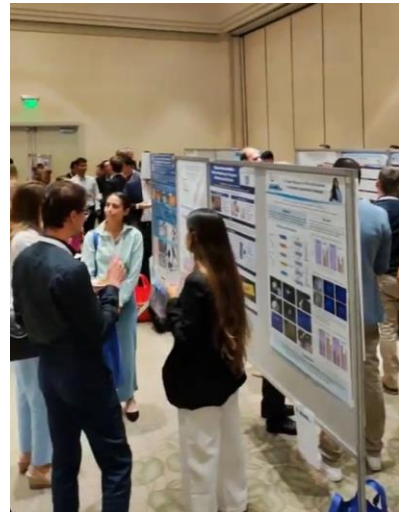
The ADM meeting program featured nine world-class speakers focusing on "Material Testing and Performance." The global interest in ADM continues to grow, with 317 participants from 32 different countries attending the event in San Diego.



The first day of the ADM meeting emphasized adverse reactions to medical devices and dental cosmetics, including presentations by Dr. Albert Feilzer and Dr. Thomas Rustmeyer. After the poster session, the first-day program continued with short presentations of three Marshall Post-doctoral award finalists. Dr. Lars Björman presented his experiences with the Norwegian Dental Biomaterials Adverse Reaction Unit. This focused session sparked thoughtful discussions,

especially regarding the immunological response to dental materials.

The second day commenced with a meet-the-industry session from Shofu-Inc. featuring Prof. Noriko Hiraishi's insights on Giomer/S-PRG fillers and their impact on minimally invasive dentistry. Subsequently, the focus shifted to wear in the oral environment, with presentations by Dr. Pekka Vallittu and Garry Fleming on masticatory function wear testing methods and continued after the poster session with the presentation of Dr. Nicola Scotti on the clinical wear of dental materials.



The final day of the Meeting began with another meet-the-industry session offered by Dentsply, with Prof. Mark Latta talking about reproducible modeling for adhesive testing after salivary contamination, followed by updates on CAD-CAM materials. Dr. Paulo Cesar provided an overview of zirconia evaluation, Dr. Ulrich Lohbauer delved into the complex glass science

behind lithium disilicates, and Satoshi Yamaguchi presented an overview of CAD-CAM hybrid materials.

This exciting program was completed with three Marshall Award finalists' presentations, six Lunch and learn sessions, and poster presentations that further enriched the program, offering attendees insights into the latest developments in dental materials research. The social dinner at a beautiful rooftop venue overlooking San Diego provided a delightful networking opportunity, complemented by delicious cuisine and lively karaoke sessions.



Our heartfelt thanks go to our President, Board members, moderators, and sponsors for their outstanding contributions and support. We eagerly anticipate reconnecting in Torino in 2024.

Treasurer's Report

By Carmem Pfeifer

1. Financially, the Academy is still in good shape. The net assets have increased by \$16,296 to date (from \$913,518 to \$929,814 in 2023). The total assets line reflects the values as of December 31 each year (calendar year totals). All expenses have been matched against the assets, which only happens after the annual Meeting.
2. The current assets in each bank account are as follows (as of January 15, 2024): Wells Fargo Savings: \$389,617; Wells Fargo Checking: \$66,619; Brokerage: \$473,578; Total: \$929,814.
3. The final accounting for the 2023 annual meeting held in San Diego was: Income: \$209,920 (sponsorship: \$99,480; registration: \$94,090; Expenses: \$199,840, resulting in a surplus of \$10,080. The total number of registrations was 303, with 248 paid attendees. Our joint Meeting with the American Academy of Cariology yielded 7 extra participants in our Meeting.
4. Progress of the FAC activities: the investment in the fixed-income brokerage account on Wells Fargo has produced \$23,578 in dividends so far. The current interest rate we are accruing is 3.5% APR.

We are investigating other options for when this account reaches maturity in 2025.

5. This was the third year of the Bowen Early Career Investigator Award, for a total of \$20,000 in sponsorship. Applications were reviewed by 2-3 reviewers each. We had several worthy applicants, two of whom were extremely close in score. Since we have had a surplus from the 2022 budget, we have awarded two grants in 2023.

	2021	2022	2023
Total members	362	350	401
Students	62	57	84
Total fellows	56	58	63
Registered for meeting	315 (total) 183 (paid)	278 (total) 233 (paid)	303 (total) 248 (paid) 7 - AAC
Total assets	\$848,984	\$913,518	\$929,814
Total income	\$132,209	\$232,782	\$412,239
Royalties	\$85,902	\$92,127	\$102,469
Interest income	\$82	\$9,200	\$20,852
Awards	\$6,000	\$18,100	\$81,400
Total expenses	\$106,190	\$269,490	\$411,261
Net income (loss)	\$111,921	\$64,618	\$979
Annual meeting net income (loss)	\$55,922	\$47,356	\$10,080

From the Editorial Office

By David Watts and Nick Silikas

During and since the pandemic and lockdown, there has been a downward trend in the number of submitted and accepted manuscripts. This appears in line with other journals and contrasts with the increase in requests to submit review manuscripts, many on very unsuitable topics. However, some truly excellent and highly cited

reviews have been published. In 2023, more than 800 submissions have been received. We continue to prioritize original (experimental) research papers over review papers. The rejection rate is currently *ca.* 75 %. The largest number of submissions are coming from Asia, followed by Europe and South America. Germany appears to lead the countries in terms of quality. An additional Editorial Board member from China has been appointed.






Most papers are published on a *Subscription basis* – without publication charge. They are freely available to subscribers (particularly ADM Members) as well as developing countries and patient groups through Elsevier access programs. From 2019 through 2022/3, an increasing proportion of articles (42 in 2022) have been published in the "Gold Open Access" (GOA), which results in significant fees to the ADM. NB, there is a "firewall" that blocks the Editorial Team in a more 'compact' format. This means that the weight (mass) of print copies is reduced, which aligns with Elsevier's environmental and sustainability goals.

The 2022 Impact Factor was 5.0, slightly reduced from 2021, with *Dental Materials* in 5th place out of 91 journals. CiteScore Tracker, based on the past 4 years, for 2023 was 9.8 (updated monthly). In total, 215 abstracts were submitted. 2 abstracts were rejected, and 23 were either withdrawn or not registered. As a result, we had 190 abstracts

accepted (180 regular abstracts, 7 Paffenbarger Award abstracts, and 3 Marshalls Award abstracts).

Fellowships and Awards

Fellowship

	
Dr. Nicola Scotti, University of Turin, Italy	Dr. Adriana Manso, University of British Columbia, Canada,
	
Dr. Allegra Comba, University of Turin, Italy	Dr. Vinicius Rosa, National University of Singapore, Singapore
	
Dr. Andrei Ionescu, University of Milan, Italy	

During the 2023 San Diego Meeting, the Academy announced the Fellowships awarded to Drs Nicola Scotti, Allegra Comba, Adriana

Manso, Vinicius Rosa, and Andrei Ionescu. Congratulations to our new Fellows!

Emeritus Status

The Executive Board approved Emeritus status for Dr. Mark Cannon and Dr Fred Rueggeberg! We wish both of them all the best for the future!



Paffenbarger Award

This competition recognizes students who present the most excellent research at our annual conference. The winners of the ADM 2023 Paffenbarger Award were:

1st Place: Caroline Oliveira, University of Michigan, USA

Title: Bilayered Gelatin-Methacryloyl Scaffold for Inflammation Suppression and Dentin-like Tissue Regeneration

2nd Place: Yuqing Lu, Academic Centre for Dentistry, Amsterdam, the Netherlands

Title: Fatigue Behavior of 3D-Printed Dental Zirconia via Stereolithography

3rd Place: Yuval Peled, University of Toronto, Canada

Title: Exploring Neutrophils' Degradative Mechanism Toward Dentin and Resin-Based Restoratives

Congratulations to all winners and their co-workers.

Marshalls Post-doctoral Award

This competition recognizes outstanding research performed by individuals in the transitional post-doctoral stage of their careers.

The finalists of the 2023 Marshalls Award were:

Dr. Isaac de Souza Araujo, University of Tennessee, USA

Title: A versatile collagen-based bioink for periodontal ligament regeneration.

Dr. Utkarsh Mangal, Yonsei University, Korea

Title: Symbiotically Integrating Occlusive Membrane for Guided Regeneration of Inflammatory-Challenged Complex Tissue Defects.

Dr. Daniel Larrañaga Ordaz, University of Minnesota, USA

Title: Load capacity of model dental restorations under static and dynamic diametral compression.

Congratulations to ADM 2023 winner Dr. Isaac de Souza Araujo!

The winner of the Marshall Post-doctoral Award received a certificate of recognition, a financial award of US \$2,000, and a complimentary meeting registration for the ADM meeting of the subsequent year.

ADM Rafael L. Bowen Early-Stage Investigator Collaborative Research Award

This **\$20,000** award aims to support early career investigators (post-docs and junior faculty). The primary intent of the award is to foster a new collaboration with a mentor outside the principal applicant's institution.

Congratulations to:

Lamia Singer, PDRF (University Hospital of Bonn, Germany).

"Investigation of the stimulatory and protective role of polydopamine, bio-resin extract, and LIPUS on orthodontic mini-screws biological and functional performance"

Gabriela Balbinot, PDRF (Federal University of Rio Grande do Sul, Brazil).

"3D printing of bioactive restorative composites"

Student Travel Award

This award aims to encourage and recognize outstanding research on dental materials and facilitate presentations by students at the annual ADM meeting. For 2023, the Student Travel Award committee decided to give out six awards.

The winners of the 2023 ADM travel awards were:

Zach Gouveia, University of Toronto, Canada

Jaccare Jauregui-Ulloa, University of Mississippi, USA

Génesis Sulay Alfonso León, São Paulo State University, Brazil

May Anny Fraga, FOP-Unicamp, Brazil

Shixin Jin, University of Hong Kong, China

Min-Yong Lee, Yonsei University, Republic of Korea

University Student Award

In 2023, 29 awards were presented to outstanding student researchers in dental materials at various dental schools globally. ADM congratulates the students for their efforts to advance knowledge in our field. We would like to remind you that the application for ADM Perpetual Plaque is open.

News from the Board

Outreach activities

By Alex Fok

The ADM cannot achieve its objectives, such as promoting dental materials and encouraging their research without its members. More specifically, we cannot achieve our objectives without retaining existing members and reaching out to new ones. Thus, as part of our outreach effort, we conducted a membership survey – as far as we know, the first ever in the ADM's history – around the time of our Meeting in San Diego last October. The survey was sent out to all active members, around 400 in total, and we received 64 responses before it was closed. The rate of return was considered acceptable. A big thank you to those who took the time to respond and share your thoughts with us. Your answers will help shape the future of the ADM. The details of the survey can be found in the ADM-member area.

We are pleased to know that most of you are satisfied with your ADM membership, and most of you would recommend that others join us.

As mentioned in our last business meeting, we have already proposed to the ADM Board to 1) organize virtual seminars throughout the year, 2) introduce an award for short videos that help explain the clinical relevance of dental materials research, and 3) hold a satellite meeting for young members (PhDs and post-docs) only. In relation to the last proposal, we will recruit young members to join the Young-ADM to help,

especially with the organization of the said satellite meeting. If you are a young member and would like to help, please contact any Board member to express your interest. Finally, we will add the new content generated from these new

activities, where appropriate, to our website and social media pages for your perusal. If you have further suggestions or comments, let us know. Have a wonderful 2024!

ADM Executive Board and Committees

ADM Board of Directors:

President (2022-2024):
Milena Cadenaro

Vice-President (2022-2024):
Ricardo Carvalho

Immediate Past President (2022-2024):
Ulrich Lohbauer

Treasurer (2020-2024):
Carmem Pfeifer

Secretary (2022-2024):
Arzu Tezvergil-Mutluay

Board Members-At-Large:

Marcelo Giannini	(2020-2024)
Julian Leprince	(2020-2024)
Rafael Moraes	(2021-2025)
Marco Bottino	(2021-2025)
Josette Camilieri	(2021-2025)
James Kit Hon Tsoi	(2022-2026)

Dental Materials Editor:
David C. Watts

Transaction Editor:
Nick Silikas

Membership and Outreach Chair:
Alex Fok

Awards Chair: Will Palin

Social Media Chair: Rafael Moraes

University Student Award Chair
Arzu Tezvergil-Mutluay

Fellowship Committee Chair:
Arzu Tezvergil-Mutluay (Chair)
Marco Bottino
James Tsoi

Bowen Award Review Committee:
William Palin (Chair)
Jeffrey Stansbury
Carmem Pfeifer

By Laws Committee:
Milena Cadenaro (Chair)
Ricardo Carvalho
Ulrich Lohbauer
Carmem Pfeifer
Arzu Tezvergil-Mutluay

Financial Advisory Committee (FAC):
Carmem Pfeifer (Chair)
Steven Armstrong
Ulrich Lohbauer
Jeffrey Stansbury

Executive Manager:
Lynn Reeves, RES Inc.
admin@academydentalmaterials.org

ADM Corporate Sponsors:

