



Newsletter # 1 – May 2022  
<http://www.iadr.org/DMG/>



**Marco Ferrari**  
President

“Support young dental generations”

More on page 2.

### From the BOARD:

- Josette Camilleri elected Vice-President (2022 – 2023)
- Alvaro Della Bona elected Secretary/Treasurer (2022 – 2025)
- 2022 IADR General Session & Exhibition – June 20-25
- Call for Members-at-Large nominations

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## Message from the President, Marco Ferrari

**Dear All Colleagues and DMG Members,**

I assumed the Presidency in the midst of the COVID Pandemic which continues to affect our habits and behaviors. We are still waiting for the possibility to meet each other in person. The 100th General Session of IADR joint to 5th Meeting of IADR Asia Pacific Region, in Chengdu, China will be in virtual modality.

In some parts of the world the Pandemic is more or less under control, such as much of Europe, but that region is now affected by the war in Ukraine. So, we live in an era with many challenging issues which affect our dental scientific community significantly. We cannot escape from this difficult situation at the moment but must think to the future and invest in younger generations.

As we anticipated in our last newsletter, we saw increased participation by young researchers who traveled to present at our Annual Congress, but we would love to see IADR encourage the same opportunity by reducing the registration fee considerably for younger members.

I want to express my full gratitude to all members of the Board for supporting me and DMG in order to realize and manage annual activities and programs. My Presidency is ending with the 'frustration' that I never met all of you together in person, but I'm sure we'll be able to do that soon.

I want to wish all the best to our Incoming President Dr. Salvatore Sauro, and to Dr. Vinicius Rosa, who after the 100th General Session of IADR joint to 5th Meeting of IADR Asia Pacific Region, will be our President-elect, and Dr. Josette Camilleri, recently elected Vice President. I leave my Presidency certain that the DMG is in good hands and the future will be brilliant.

Finally, permit me to thank our Secretary, Dr. Marcelo Giannini, always efficient, and a big help to coordinate our board activities. Let me tell you that it was a honor and a privilege to be President of DMG, the oldest and most numerous Group of IADR. I thoroughly enjoyed it. Thank you all for supporting me.

**Be resilient and stay safe!**

# DMG Scientific Program - 2022 AADOCR/CADR Atlanta – GA, USA / March 23 - 26

**Organized by GPC  
(Carmem Pfeifer and Salvatore Sauro)**

**TOTAL DMG ABSTRACTS: 209**  
Virtual InteractiveTalk: 132 abstracts  
In-Person Interactive Talk: 77 abstracts

## **Number of abstracts per sub-group:**

- ✓ **DM1** – Ceramic-based Materials (34)
- ✓ **DM2** – Polymer-based Materials (75)
- ✓ **DM3** – Metal-based Materials and Other Materials (0)
- ✓ **DM4** – Adhesion-Bonding and Sealing (36)
- ✓ **DM5** – Biocompatibility, Bioengineering and Biologic Effects of Materials (37)
- ✓ **DM6** – Instruments and Equipment (11)
- ✓ **DM7** – Color and Appearance (11)
- ✓ **DM8** – Clinical Trials (5)

# DMG Scientific Program - 2022 AADOCR/CADR Atlanta – GA, USA / March 23 - 26

## Thanks to GPCs and Reviewers!!

✓ **DM1** – Ulrich Lohbauer

(Yu Zhang, Renan Belli, Renata M. Marinho)

✓ **DM2** – Carmem Pfeifer

(Ana Paula Fugolin, Scott Schricker, Jack Ferracane, Jeffrey Stansbury, Anthenius Versluis, Grace de Souza, Anuradha Prakki, Jirun Sun, Devatha Nair, Fernando Flores, Mary Anne Mello, James Tsoi, Santiago Orrego)

✓ **DM3** – Jason Griggs

(Rodrigo Franca, Amol Janorkar, David Berzins)

✓ **DM4** – Annalisa Mazzoni

(Alessandra Reis, Arzu Tezvergil-Mutluay, Saulo Geraldeli, Cristina Vidal, Regina Puppim-Rontani)

✓ **DM5** – Marco Bottino

(Lukasz Witek, Conrado Aparicio, Luiz Bertassoni, Fernando Flores)

✓ **DM6** – William Palin

(Gustavo Mendonca, Vinicius Rosa, Carlos Soares)

✓ **DM7** – Rade D. Paravina

(John Powers, Alessandro Vichi, Juliana da Costa)

✓ **DM8** – Niek Opdam

(Gisele Neiva, Josephine Esquivel-Upshaw, Eliseu Munchow)

# DMG Scientific Program - 2022 AADOCR/CADR Atlanta – GA, USA / March 23 - 26

## Symposia sponsored by the DMG:

➤ ***Advancements in Tissue Engineering for the Regeneration of the Facial Skeleton***

**Organizers:** James Melville (University of Texas Health Science Center at Houston); Simon Young (University of Texas Health Science Center at Houston); Steven Roser (Emory University, Atlanta, GA, USA); Chi Viet (Loma Linda University, CA, USA)

➤ ***Emerging Biological and Materials Innovations in Regenerative Periodontics***

**Organizers:** Marco Bottino (University of Michigan, Ann Arbor); Xiaohua Liu (Baylor College of Dentistry, Dallas, TX, USA)

➤ ***Artificial Intelligence (AI) for Dental Materials and Prosthodontics***

**Organizer:** James Kit-Hon Tsoi (The University of Hong Kong, Hong Kong)

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## Focused Learning Session sponsored by the DMG:

➤ ***Engineering a New Generation of Stimuli-responsive Biomaterials***

**Speaker:** Ana Paula Fugolin (Oregon Health & Science University, Portland, USA)

➤ ***Ingenuity and Limitations of Protocols to Assess Dentin Breakdown and Remodeling***

**Speaker:** Marcela Carrilho (Midwestern University, Downers Grove, IL, USA)

➤ ***Dentin Degradation: From Breakdown to Possibilities for Therapeutic Intervention***

**Speaker:** Cristina Vidal (University of Iowa, Iowa City, USA)

# DMG Scientific Program - 2022 AADOCR/CADR Atlanta – GA, USA / March 23 - 26

## Keynote Speakers sponsored by the DMG:

- **Failure Analysis Using Fractal Geometry in Dental Ceramics**  
Kartikeya Singh Jodha (University of Mississippi Medical Center, Jackson, USA)
- ***Developing Bioactive Dental Resins: A Trailblazing Journey to the Field of Restorative Materials***  
**Speaker:** Mary Anne Sampaio de Melo (University of Maryland, College Park, USA)
- ***Bioinspired and Nano Approaches in Fabricating Antibacterial Polymeric Surfaces***  
**Speaker:** James Kit-Hon Tsoi (The University of Hong Kong, Hong Kong)
- ***New Perspectives for Improving Resin-dentin Interfaces***  
**Speaker:** Arzu Tezvergil-Mutluay (University of Turku, Finland)
- ***Targeting Biofilms on Surfaces: From Nanotech to Microrobotics***  
**Speaker:** Hyun (Michel) Koo (University of Pennsylvania, Philadelphia, USA)
- ***In situ Regeneration of Soft-hard Tissue Interfaces by Spatially Controlled Bioactivities***  
**Speaker:** Chang H. Lee (Columbia University, New York, NY, USA)
- ***Dental-derived Mesenchymal Stem Cells-mediated Bone Tissue Engineering: The Role of Biomaterials and Host Immune System***  
**Speaker:** Alireza Moshaverinia (University of California, Los Angeles, USA)
- ***Optical Properties of White and Pink Resin-based Restorative Materials***  
**Speaker:** Vesna Miltetic (The University of Sydney, Australia)
- ***Clinical Trials in Dental Materials: Why Are They Necessary?***  
**Speaker:** Alessandra Reis (State University of Ponta Grossa, Brazil)

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## Hands-on Workshop sponsored by the DMG:

- ***Priming Young Investigators for a Successful Career: A New Model***  
**Organizers:** Tamanna Tiwari (University of Colorado, Aurora, USA); Bruno Lima (University of Minnesota, Minneapolis, USA)

# TREASURER'S REPORT

The DMG finances are in good standing, and the account shows a balance of **\$114,838.90** (as of 09/25/21), as shown in detail in the table below.

	<u>3rd Quarter</u>
<b>Beginning Balance</b>	<b><u>\$118,434.70</u></b>
<hr/>	
<b>Revenue</b>	
Dues	968.00
Comp Dues	120.00
Contributions	5.00
<b>Total Revenue</b>	<b>\$1,093.00</b>
<hr/>	
<b>Expenses</b>	
Awards, Fellowships, & Grant	4,688.80
Contribution Expense	0.00
<b>Total Expenses</b>	<b>4,688.80</b>
<hr/>	
<b>Net Income/Loss</b>	<b>(\$3,595.80)</b>
<hr/>	
<b>Available Cash Balance</b>	<b><u>\$114,838.90</u></b>
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# DENTAL MATERIALS GROUP

## → Current Board Members ←



**Marco Ferrari**  
University of Siena  
Italy  
**PRESIDENT**



**Salvatore Sauro**  
Universidad CEU-Cardenal Herrera  
Spain  
**PRESIDENT - ELECT**



**Vinicius Rosa**  
National University of Singapore  
Singapore  
**VICE - PRESIDENT**



**Marcelo Giannini**  
University of Campinas  
Brazil  
**SECRETARY / TREASURER**



**Saulo Geraldeli**  
East Carolina University  
USA  
**COUNCILOR**



**Rade Paravina**  
University of Texas  
USA  
**CORPORATE LIAISON**



**Carmem Pfeifer**  
Oregon Health & Science University  
USA  
**PAST - PRESIDENT**



**Marco Bottino**  
University of Michigan  
USA  
**SR. PAST - PRESIDENT**



# DENTAL MATERIALS GROUP

## → Current Members-at-Large ←

**Objective:** Broaden the representation of board members and develop a base for future officer elections (Secretary/Treasurer, Vice–President and Councilor).

Three Members-at-Large are appointed for each of the IADR regions:

➤ **Africa / Middle East:**

- Ziad Salameh - Lebanese University, Lebanon (2000 - 2002)
- Mohannad Nassar - University of Sharjah, United Arab Emirates (2000 - 2002)
- Kamal Ebeid - Ain Shams University, Egypt (2021 - 2023)

➤ **Asia / Pacific:**

- Satoshi Yamaguchi - Osaka University, Japan (2020 - 2022)
- James Ki-Hon Tsoi - University of Hong Kong, Hong Kong (2021 - 2023)
- Nileshkumar Dubey – National University of Singapore, Singapore (2021 - 2023)

➤ **Latin America:**

- Alvaro Della Bona - University of Passo Fundo, Brazil (2020 - 2022)
- Adriano F. de Lima - Paulista University-UNIP, Brazil (2021 - 2023)
- Fabricio M. Collares - Federal University of Rio Grande do Sul, Brazil (2021 - 2023)

➤ **North America:**

- Fernando L. Esteban Florez - University of Oklahoma, USA (2020 - 2022)
- Luiz E. Bertassoni - Oregon Health & Science University, USA (2020 - 2022)
- Adriana P. Manso - University of British Columbia, Canada (2021 - 2023)

➤ **Pan-European:**

- Gianrico Spagnuolo - University of Naples Federico II, Italy (2021 - 2023)
- Andrei C. Ionescu - State University of Milan, Italy (2021 - 2023)

# CALL FOR NOMINATIONS - DMG

## → Member-at-Large ←

### Vacant positions for the regions:

➤ **Africa / Middle East:**

- one position: term starting in June 2023

➤ **Asia / Pacific**

- one position: term starting in June 2023

➤ **Pan-European:**

- one position: term starting in June 2023

### Eligibility:

1. Must be a current regular IADR and DMG member. Student members can be considered at the Board's discretion.
2. Must be currently active in research.

### Deadline for nominations: **January 31, 2023**

Please send nominations electronically to Dr. Carmem S. Pfeifer ([pfeiferc@ohsu.edu](mailto:pfeiferc@ohsu.edu)).

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## → Vice - President ←

- The nomination for the Vice-President of the Dental Materials Group will open in the second half of 2022.
- As a IADR DMG member, you will be entitled to vote annually for the candidates of your choice for DMG Vice-President.
- This year there is not an election for the position of Secretary/Treasurer of the DMG.

*In memoriam*

## **Kenneth J. Anusavice, DMD, PhD**

( <https://dental.ufl.edu/2021/10/02/> )



### **Tribute to Dr. Kenneth J. Anusavice**

“Dr. Kenneth J. Anusavice was lost to us on Sept 30, 2021. He was the 1998 President of the IADR Dental Materials Group. Tributes to Dr. Anusavice are published in JDR (*Bayne SC, Thompson JY, Griggs JA, Della Bona A. Tribute to Kenneth J. Anusavice. J Dent Res 2022;1019(4):365-368*) and DM (*Bayne SC, Thompson JY, Griggs JA, Della Bona A. Remembering Kenneth J. Anusavice. Dent Mater 2022;38:469-471*) journals recently.”

By Stephen C. Bayne, University of Michigan, USA

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*In memoriam*

## **Professor Nobuo Nakabayashi**



### **A LIFE IN BIOMATERIALS AND BIOMEDICAL ENGINEERING RESEARCH: A TRIBUTE TO PROFESSOR NOBUO NAKABAYASHI**

“ For nearly 60 years, Prof. Nobuo Nakabayashi (03.03.1936 - 28.12.2021) has been one of the most notable scientists in the fields of biomaterials and biomedical engineering who also made huge contribution to the advancement of adhesive dentistry.

Throughout his career, Prof. Nakabayashi has been an inspirational, humble, faithful scholar known with his passion to science as well as his family, whose impact to Biomaterials and Biomedical Engineering Research has left a lasting legacy.”

By Mutlu Özcan, University of Zurich, Switzerland  
*Brazilian Dental Science, 2022, Jan / Mar; 25 (1); e3446*  
(with permission from the Brazilian Dental Science)

# NEW SCIENTIFIC JOURNAL

Welcome to JADA Foundational Science !!



JADA Foundational Science, ADA's new cross-disciplinary, open access journal, bridges basic and clinical sciences in oral-health research. Articles published within JADA Foundational Science are open access, making the research available to a wide range of readers.

Led by Editor-in-Chief Jack L. Ferracane, PhD, JADA Foundational Science will publish research reports, review articles, and short scientific communications in biology, chemistry, engineering, and technology that are foundational to new theories of disease and new approaches to diagnosis and treatment.

JADA Foundational Science, published jointly by ADA and Elsevier, is now accepting submissions on foundational science, as well as new and emerging scientific ideas, tools, and techniques, applied to research questions in oral and craniofacial health.

<https://jadafs.ada.org/homeux3wave2>

# 2022 IADR / APR General Session & Exhibition



**JUNE 13 – 17, 2022**

**Virtual Business Meetings & Award Competitions**

(registration is not required for those attending the meetings  
during the week of June 13-17)

**JUNE 16, 2022**

**Dental Materials Group Business Meeting**

**09:00 - 10:00 pm in Chinese Standard Time - CST**

(open to all IADR members, no registration to the General Meeting required)

**JUNE 20 – 25, 2022**

**Virtual Scientific Sessions & Workshops**

**REGISTER NOW!**

<https://show.jspargo.com/iadrapr22/reg/mainmenu.asp>

# FUTURE MEETING - 2023 AADO CR -

52<sup>nd</sup> Annual Meeting & Exhibition of the AADO CR

March 15-18, 2023

Portland, Oregon, USA



## Key Deadlines

**Abstract & Session Proposal Submission Site Open:** July 11, 2022

**Session Proposal Submissions Close:** September 19, 2022, 11:59 p.m. PT

**Abstract Submission Close:** October 17, 2022, 11:59 p.m. PT

**Decision Notifications sent to Presenters:** mid-December 2022

**Presenter Pre-registration Deadline:** January 12, 2023

# **FUTURE MEETING - 2023 IADR / LAR -**

**JUN 21, 2023** | **General Session**

2023 IADR/LAR General Session & Exhibition

Bogotá, Colombia



# 2022 ADM MEETING

## ACADEMY OF DENTAL MATERIALS



**Mark Your Calendar for the ADM Annual Meeting**

**September 28- October 1, 2022**

**Grand Hyatt / Athens, Greece**

Please join the Academy of Dental Materials for the 2022 annual conference. The ADM conference will offer a program conducive for the exchange of knowledge and presentations on the latest research in our field. The 2022 program will address the progress of dental materials and digital engineering.

### **IMPORTANT DATES:**

**Abstract submission open: May 10, 2022**

**Abstract submission deadline: June 20, 2022**

**Preliminary Acceptance notifications: July 20, 2022**

**Pre-Registration for Presenters: July 30, 2022**

**Final Acceptance for Posters: August 10, 2022**

<https://www.admconference.com/poster-abstract-award-guidelines/>