Curriculum Vitae

***Name**:* Mihaiela Corina Stuparu

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***Nationality/Gender**:* Romanian/Female

***Date of Birth**:* 20. 05. 1978

Academic Qualifications

01.2010 - 03.2014	*March 2014*, **Habilitation**, University of Zürich, Zürich, Switzerland, Thesis Title: "*Synthetic Strategies and Properties of Corannulene-Based Polymers*" Mentor: Prof. J. S. Siegel
07.2002 - 07.2007	*July 2007*, **Ph.D.**, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, Thesis Title: "*Fully Conjugated Belts: An Illusory Dream?*" Mentor: Prof. A. D. Schlüter
10.2001 - 07.2002	*July 2002*, **M.Sc.**, Babes-Bolyai University, Cluj-Napoca, Romania (grade: 9.75/10) *Advanced Organic Chemistry* Mentor: Prof. I. Grosu

Work Experience

01.2026	**Associate Chair** (Undergraduate Students: *Academic Matters, Admissions, Student Welfare, Outreach, Student Groups, Alumni*), School of Chemistry, Chemical Engineering and Biotechnology (CCEB), Nanyang Technological University (NTU), Singapore
04.2024 - 12.2025	**Associate Chair** (Students and Continuing Education: *Admissions, Student Welfare, Outreach, Student Groups, Alumni*), CCEB, NTU, Singapore
09.2023 - present	**Associate Professor** (tenured), CCEB, NTU, Singapore
07.2023 - present	**Principal Investigator**, National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania
10.2014 - 08.2023	**Nanyang Assistant Professor**, NTU, Singapore
01.2010 - 03.2014	**Principal Investigator**, University of Zürich, Zürich, Switzerland
02.2009 - 12.2009	**Postdoctoral Fellow**, J. Siegel Group, University of Zürich, Zürich, Switzerland
08.2007 - 12.2008	**Postdoctoral Fellow**, H. K. Hall Jr. Group, University of Arizona, Tucson, USA
07.2002 - 07.2007	**Doctoral Student**, A. D. Schlüter Group, ETH-Zürich, Switzerland
09.2002 - 06.2004	**Doctoral Student**, A. D. Schlüter Group, Freie Universität Berlin, Germany

Professional Services and Awards

Co-Chair (2024-present)	Promotion of Women in Engineering, Research and Science (POWERS@NTU)
Co-Chair (2024-present)	Women@NTU
Nanyang Teaching Award (2021)	Nanyang Technological University (NTU), Singapore
Outstanding Mentor Award (2021)	School of Physical and Mathematical Sciences (NTU)

Merit Service Award (2021)	Singapore National Institute of Chemistry (SNIC)
Teaching Excellence Award (2020)	School of Physical and Mathematical Sciences (NTU)
Super Mentor Award (2020)	School of Physical and Mathematical Sciences (NTU)
Teaching Excellence Award (2019)	School of Physical and Mathematical Sciences (NTU)
Elected Council Member (2018-2024)	Singapore National Institute of Chemistry
Chair of the Women Chapter (2018-2024)	Singapore National Institute of Chemistry
Elected Council Member (2017-2021)	RSC Singapore Chapter
Associate Editor (April 2016-2018)	RSC Advances (RSC Publishing, UK)
Ambizione Fellowship (2010-2014)	Swiss National Science Foundation

Research Grants as a Principal Investigator *(Total Amount ≈ 3.3 million Euros)*

- European Union (NextGenerationEU - Romania's National Recovery and Resilience Plan), Year of Award: 2023, Period of Award: 2023-2026 (3 Years), Amount: **6,998,043 RON** (**1,418,273 EUR**), Title: "Molecular Carbon Nanostructures: Establishing a Green Synthesis, Studying Properties, and Examining Potential Applications"
- Tier 2 Grant - Ministry of Education, Year of Award: 2022, Period of Award: 2022-2025 (3 Years), Amount: **713,750 SGD**, Title: "Mechanochemical Synthesis of High Electron Affinity Curved Nanographenes"
- Tier 1 Grant - Ministry of Education, Year of Award: 2021, Period of Award: 11/2021-04/2023 (1.5 Years), Amount: **50,000 SGD**, Title: "Development of High Performance Fullerene Nanoparticles for Biomedical Applications"
- Tier 1 Grant - Ministry of Education, Year of Award: 2020, Period of Award: 2020-2022 (2 Years), Amount: **89,100 SGD**, Title: "Design and Synthesis of High Electron Affinity Materials for Plastic Solar Cell Applications"
- A*STAR, Research, Innovation and Enterprise Grant, Year of Award: 2018, Period of Award: 2018-2022 (4 Years), Amount: **709,440 SGD**, Title: "Developing Novel Electron Acceptor Materials"
- Tier 1 Grant - Ministry of Education, Year of Award: 2018, Period of Award: 2018-2020 (2 Years), Amount: **68,000 SGD**, Title: "Designing New Material Candidates for Energy Storage Applications"
- Tier 1 Grant - Ministry of Education, Year of Award: 2017, Period of Award: 2017-2019 (2 Years), Amount: **95,000 SGD**, Title: "Hybridization of Planar and Nonplanar Structural Motifs in Construction of Functional π-Materials"
- Tier 1 Grant - Ministry of Education, Year of Award: 2016, Period of Award: 2016-2017 (1 Year), Amount: **92,000 SGD**, Title: "Developing Polymer-Based Hosts for Fullerene C_{60}"
- Nanyang Assistant Professorship (NAP) Start-Up-Grant, Year of Award: 2014, Period of Award: 2014-2022 (8 Years), Amount: **1,000,000 SGD**, Title: "Rational Synthesis and Programmed Assembly of Carbon Rich Materials"

- SCIEX Fellowship (Swiss-EU Scientific Exchange Programme), Year of Award: 2013, Period of Award: 2013-2014 (1 Year), Amount: **100,000 CHF**, Title: "Synthesis of Molecular Wires Containing Corannulene"
- SNSF - International Collaboration Award, Year of Award: 2012, Period of Award: 02/05 2012 (3 Months) Amount: **10,000 CHF**, Title: "Synthesis of Electronically Conjugated Discrete Corannulene Oligomers"
- SNSF - Ambizione-Fellowship for Independent Investigators, Year of Award: 2010, Period of Award: 2010-2014 (4 years) Amount: **500,000 CHF**, Title: "New Optoelectronic Materials Based on Corannulene Derivatives"

Research mentoring

- *Postdoctoral Fellows*: Zhongbo Zhang (2020-2025)
  Ronny Williams (2020-21)
  Bati Gabor (2019-2023)
  Viktor Barat (2019-21)
  Ajaz A. Dar (2019-20)
  Animesh Ghosh (2018-19)
  Amita Mishra (2016-19)
  Sivaramapanicker Sreejith (2015-17)
  Ji Li (2015-16)
  Rajesh Kumar (2015-16)
  Surendra Mahadevegowda (2015-16)
  Anamaria Elena Terec (2012-13) – *University of Zürich*
- *Doctoral Students*: Mahalakshmi Anand (2025-present) (*Current*)
  Melnic Nichita (2025-present) (*Current*)
  Saroj Ali (2024-present) (*Current*)
  Miko Johanna (2024-present) (*Current*)
  Jian Wen Wong (2023-present) (*Current*)
  Jovana Stanojkovic (2021-2025) (*Graduated*)
  Hum Gao Xiao Gavin (2019-2023) *(Graduated)*
  Dženeta Halilović (2016-21) *(Graduated)*
  Zhang Zhuang (2015-2020) *(Graduated)*
- *Exchange Doctoral Student*: Jovana Stanojkovic (2019) – *Belgrade University (Serbia)*
- *Master Student*: Junru Lin (2025-2027) *(Current)*
  Shoba Laxmi (2019-2022) *(Graduated)*
  Ezzah Binte M. Muzammil (2017-18) *(Graduated)*
- *Exchange Master Students:* Sebastian Diaz Marulanda (2018) – *Bath University (UK)*
  Eleni Nestoros (2016-17) – *University of Edinburgh (UK)*

Hrishikesh Joshi (2016-17) – *BITS Pilani (India)*
Hardik Hingorani (2016-17) – *BITS Pilani (India)*
Bethan Morgan (2016-17) – *Southampton University (UK)*

- *Final Year Project (FYP) Student*: Mahalakshmi Anand (2025) *(URECA FYP)*
  Junru Lin (2025)
  Ivan Koa Han Zhe (2025)
  Ng Jia Le (2024)
  Birri Francesca Louise Patricia (2024)
  Lai Chun Wah (2024) (Mini FYP)
  Naomi Louise Tan (2022)
  Lea Valla (2020)
  Lee Yuan (2020)
  Teoh Yong (2019) *(URECA FYP)*
  Yeow Qi Jie (2019)
  Eleanor Rose Soole (2018) – *Bristol University (UK)*
  David Mccormick (2016) – *Bath University (UK)*
  Lim Jingjie (2015)
- *Summer Project Students*: Andrea Adriana Prawono (2024)
  Tan Zheng Yong (2023)
  Ooi Chong Yih (2015)
  Ezzah Binte Mohamed Muzammil (2015)
- *URECA students*: Toeh Ke Ning (2024-2025)
  Chong Zheng Xuan (2024-2025)
  Le Hoai Nam Phuong (2023-2024)
  Mahalakshmi Anand (2023-2024)
  Ho Su Minn Jelene (2022-2023)
  Teoh Yong (2016-18)
  Bryan (2017-18)
  Ooi Chong Yih (2015-2016)
  Yuan Theng Lee (2015-2016)
  Goh Tong Yin (2015-2016)
  Ang Min Hui (2015-2016)
- *High School Student:* Lim En Qi 2019 – *Raffles Junior College (Singapore)*
- Laboratory training at the University of Zürich of a young team of visiting researchers (undergraduate level) from the Tianjin University (China), 2013

Research Group Honours

Best Poster Award (2025)	Mahalakshmi Anand, ACS Singapore Youth Symposium

Best Poster Award (2025)	Jovana Stanojkovic, ACS Singapore Youth Symposium
URECA Poster Prize (2024)	Le Hoai Nam Phuong (Natural and Physical Sciences)
Best Poster Award (2024)	Jovana Stanojkovic, ACS Singapore Youth Symposium
Best Poster Award (2023)	Jovana Stanojkovic, Chemistry National Meeting
Pidilite Best Poster Award (2019)	Viktor Barat, Chemistry National Meeting
RSC Best Poster Award (2019)	Jovana Stanojkovic, Chemistry National Meeting
Best Oral Presentation (2019)	Dženeta Halilović, SG Inorganic Chemistry Symposium
Best Poster Presentation (2018)	Dženeta Halilović, SG Inorganic Chemistry Symposium
Chem. Commun. Emerging Investigator (2018)	Invited Feature Article Contribution by the Group
URECA Best Presentation Award (2016)	Ooi Chong Yih

Teaching

- CM3031 - Organic Reaction Mechanisms and Synthesis (Undergraduate Core Course, 2015-present)
- CM9092 - Polymer Chemistry (Undergraduate Core Course, 2015-present)
- CM6841/7018 - Advanced Synthetic and Physical Approaches to Materials Chemistry, (Master and Graduate Student Elective Course, 2022-present)
- CM3061/CBC315 - Chemistry and Biological Chemistry Laboratory Course (2015-2018, 2021-present)
- Organic Chemistry CHE-102 (University of Zürich), (2012-2013)

Service to School and University

○	2025-present	Member of the College of Engineering's Postgraduate Outreach Committee
○	2024-present	Member of the NTU Teaching Council
○	2024-present	Senator of the 9th NTU Senate
○	11th July 2023	Presented NTU's POWERS initiative to Bandana Rana, a committee member for the United Nation Convention on the Elimination of All Forms of Discrimination of Women (CEDAW)
○	2023-present	POWERS (Promotion of Women in Engineering, Research and Science) Committee Member
○	2022-present	Faculty-in-Residence (FiR) of Banyan Hall
○	2021-present	Mentor under POWERS initiative for the first year female students
○	2021-present	House Leader/School of Physical and Mathematical Sciences
○	2019-2020	'Super Mentor' for 19/20 batch of freshmen
○	2018-2019	International Student Exchange Program Coordinator
○	2019-present	Emergency Response Team, Role: Site Incidence Controller (SPMS)
○	2018	Toured India (Chennai, Bangalore, and Mumbai) for NTU-India Connect program
○	2016-present	Fire Warden, CBC/SPMS
○	2016-2017	Judge on Singapore Science and Engineering Fair
○	2016-2018	Judge on URECA Poster Presentations

- 2015-present Ph.D. Examiner (So far served on >15 theses committees)
- 2015-present Evaluator for Final Year Project and Summer Research Projects
- 2015-present 'Open House' Outreach Responsibility
- 2015-present 'Buddy' for perspective and new faculty members at CBC
- 2014-present Ph.D. Qualifying Examiner (served on >15 committees so far)

Service to Community

Women in Chemistry (2022)	Special Issue Organizer and Guest Editor, *Chemistry – An Asian Journal*
π-Conjugated Molecules (2022)	Organizing Committee Member, Singapore International Chemistry Conference (SICC-11)
Women in Chemistry (2019)	Organized a networking event supported by the Royal Society of Chemistry (RSC) and Singapore National Institute of Chemistry (SNIC)
Women-Mentor-Women (2018)	Organized a mentoring event supported by RSC and SNIC
Graduate Student Symposium (2018)	Organizing Committee Member, Chemistry National Meeting Singapore

Invited Talks

- "Synthesis of Curved Nanographenes", Asian Core Program Lectureship Award Symposium, 8th of January, 2026, Singapore.
- "Synthesis of Curved Nanographenes", 24^{rth} of October, University College Dublin, 2025, Ireland.
- "Synthesis of Curved Nanographenes", ACS Singapore Youth Symposium, 15th of February, 2025, Singapore.
- "Synthesis of Curved Nanographenes", 11th Singapore International Chemistry Conference (SICC), 12th of Dec 2024, Singapore.
- "Synthesis of Curved Nanographenes", 19th Pure and Applied Chemistry International Conference 2024 (PACCON 2024), 27th of January 2024, Bangkok, Thailand.
- "Synthesis of Curved Nanographenes", IIT-B Workshop, 6th of October, 2023, IIT-Bombay, India.
- "Synthesis of Curved Nanographenes", 8th Joint Conference on Chemistry, 8th of September 2023, Semarang, Indonesia (**Keynote Presentation**).
- "My Chemical Odessey: Forging My Oyster", Odyssey Academic Talk (organized by the undergraduate students), 24^{rth} of August 2023, NTU Singapore.
- "Playing with Corannulene", 5th International Symposium on the Synthesis and Application of Curved Organic π-Molecules and Materials (Curo-π^5), 19-21 July 2023, Prague, Czech Republic.
- "Synthesis of Curved Nanographenes", 11th International Conference on Materials for Advanced Technologies (ICMAT), 28th of June 2023, Singapore.
- "What is Expected of You and What Can You Expect?" (a presentation to new doctoral students to the department), 1st of March 2023, NTU Singapore.

- "Synthesis of Curved Nanographenes", 11th Singapore International Chemistry Conference (SICC), 14th of Dec 2022, Singapore (**Keynote Presentation**).
- "Playing with Corannulene", 12th of Oct 2022, University of Angers, France.
- "My Chemical Romance: From Small Molecules to Polymers", SPMS Odyssey Programme, 18th of February 2022, NTU Singapore, Webinar.
- "Corannulene: A Curved Molecular Building Block for Functional Material Synthesis", ExxonMobil Chemical Company, 12th of Nov 2021, Texas, USA, Webinar.
- "Synthesis of Curved Nanographenes", 29th Oct 2021, University of Groningen, The Netherlands.
- "Mechanochemical Synthesis of Corannulene Derivatives", 22-24th of Sept 2021, 13th International Conference Processes in Isotopes and Molecules (PIM), Romania, Virtual Conference.
- "Mechanochemical Synthesis of Corannulene Derivatives", 16th of July 2021, 8th Asian Network for Natural and Unnatural Materials (ANNUM), Virtual Conference.
- "Building with a Molecular Bowl of Carbon", 18th of September 2020, School of Chemistry (Webinar), University of Lincoln, England.
- "Building with a Molecular Bowl of Carbon", 26th of June 2020, Department of Chemistry (Webinar), King's College London, England.
- "Building with a Molecular Bowl of Carbon", 10th of February 2020, Department of Chemistry, University of Oxford, England.
- "Organic and Polymer Chemistry with Carbon Bowls", 12th of November 2019, 2nd NTU-India Chemistry Workshop, Singapore.
- "Buckybowl Corannulene: A Unique Building Block for Construction of Functional Organic Materials", 31st of October 2019, Beijing University of Chemical Technology (BUCT)-NTU Chemistry Workshop, Singapore.
- "Photochemical Pathways to Aromatic Extension of Corannulene Nucleus", 27th September 2019, 12th International Conference in Processes in Isotopes and Molecules, Cluj-Napoca, Romania.
- "Synthesizing with a Molecular Bowl of Carbon", 11th of September 2019, MSE-Faculty Seminar @ NTU Series, Singapore.
- "Buckybowl Corannulene: A Molecular Building Block for Synthesis of Curved Molecules", Department of Chemical and Biological Engineering, 13th of July 2019, Korea University, Seoul, Korea.
- "Buckybowl Corannulene: A Unique Building Block for the Synthesis of Functional Materials", 19th of December 2018, Singapore International Chemical Conference (SICC), Singapore.
- "Curved Aromatics", 6th of December 2018, University of Science and Technology of China, China.
- "Curved Aromatics", 6th of December 2018, Anhui Agricultural University, China.
- "Corannulene: A Useful Building Block in Material Synthesis", 18th of November 2018, Babes-Bolyai University, Cluj Napoca, Romania.

- "My Chemical Romance: 20 Years and Going", 7th of November 2018, WO+MEN fEST (a celebration of Marie Curie's Birthday), Reality Theatre, NTU, Singapore.
- "Building Molecules and Materials with Corannulene", 7th of November 2018, France/NTU Workshop, Singapore.
- "Combining Planar and Non-Planar Fragments in Conjugated Oligomers", IIT Bombay (18th of September), IIT Chennai (19th of September), IISc Bangalore (20th of September), 2018, India.
- "When Corannulene Meets Polymer Science", 3rd International Symposium on the Synthesis and Application of Curved Organic π-Molecules and Materials, 5-7 September 2018, Oxford University, UK.
- "Synthesis and Properties of Corannulene Derivatives", International Symposium on Reactive Intermediates and Unusual Molecules, 20th July 2017, Sorrento, Italy.
- "Corannulene: A Promising Building Block for the Construction of Functional Polymers and Soft Materials", Annual World Congress of Smart Materials, 5th March 2016, Singapore.
- "Rationally Designed Polymer Hosts of Fullerene C_{60}", 5th June 2014, Babes-Bolyai University, Cluj Napoca, Romania.
- "Introducing Corannulene Chemistry to the Macromolecular Science: Challenges and Opportunities", 6th of June 2013, Young Faculty Meeting, Bern, Switzerland.
- "Macromolecular Architectures of Corannulene", 12th of October 2011, Hokkaido-ETH Joint Symposium, Zürich, Switzerland.
- "Polymeric Derivatives of Corannulene", 7th of December 2010, ETH-Zurich, Switzerland.

Full Publications List *(*denotes corresponding authorship)*

1. J. Stanojkovic, D. Csokas, R. A. Saikia, M. C. Stuparu*: "*Peri*-Annulations Bestow Configurational Stability onto Chira Molecular Graphene Bowls", *Org. Lett.*, **2026**, 27, 13181.
2. M. C. Stuparu*: "Solution Is Not the Only Solution: Nanographenes by Mechanochemistry", *Trends in Chem*, **2025**, 7, 259.
3. J. Stanojkovic, N. Terenti, M. C. Stuparu*: "Direct Edge Functionalization of Corannulene-Coronene Hybrid Nanographenes", *JACS Au*, **2025**, 5, 1707.
4. Z. Zhang, M. C. Stuparu*: "Intramolecular Direct Arylation Through Mechanochemistry: Efficient Synthesis of Corannulene-based *Peri*-Annulated Curved Nanographenes", *Sci. China Chem*, **2025**, 68, 3586.
5. Z. Zhang, D. Csokas, I. Fernandez, M. C. Stuparu*: "Chiral Stacks of a Curved Nanographene", *Chem*, **2024**, 10, 3199.
6. B. Gabor, D. Csokas, M. C. Stuparu*: "Mechanochemical Scholl Reaction on Phenylated Cyclopentadiene Core: One-Step Synthesis of Fluoreno[*5*]helicenes", *Chem. Eur J.* **2024**, 30, e202302971.

7. G. Hum, E. M. Muzammil, Y. Li, F. Garcia*, M. C. Stuparu*: "Mechanochemical synthesis of corannulene flanked N-heterocyclic carbene (NHC) precursors and preparation of their metal complexes", *Chem. Eur J.* **2024**, 30, e202402056.
8. B. Gabor, S. Laxmi, M. C. Stuparu*: "Mechanochemical Synthesis of Corannulene: Scalable and Efficient Preparation of a Curved Polycyclic Aromatic Hydrocarbon under Ball Milling Conditions", *ChemSusChem*, **2023**, e202301087.
9. Q. Zhong, V. Barat, D. Csokas, K. Niu, M. Gorecki, A. Ghosh, J. Björk, D. Ebeling, L. Chi,* A. Schirmeisen*, M. C. Stuparu*: "On-Surface Stereochemical Characterization of a Highly Curved Chiral Nanographene by Non-Contact Atomic Force Microscopy and Scanning Tunneling Microscopy", *CCS Chem*, **2023**, 5, 2888.
10. J. Stanojkovic, R. Williams, Z. Zhang, I. Fernandez, J. Zhou, R. D. Webster, M. C. Stuparu*: "Synthesis of Precisely Functionalizable Curved Nanographenes via Graphitization-Induced Regioselective Chlorination in a Mechanochemical Scholl Reaction", *Nat. Commun.* **2023**, 14, 803.
11. M. C. Stuparu*: "Macromolecular Architectures of Corannulene: Synthesis, Properties, and Applications of Polymers Containing a Molecular Bowl of Carbon", *Chem. Mat*. **2023**, 35, 1836.
12. G. Hum, S. J. I. Phang, H. C. Ong, F. León, S. Quek, Y. X. J. Khoo, C. Li, Y. Li, J. K. Clegg, J. Díaz, M. C. Stuparu, F García*: "Main Group Molecular Switches with Swivel Bifurcated to Trifurcated Hydrogen Bond Mode of Action", *J. Am. Chem. Soc*, **2023**, 145, 12475.
13. G. Bati, D. Csókás, G.-I. Giurgi, J. Zhou, L. Szolga, R. D. Webster, M. C. Stuparu*: "Non-fullerene Electron Acceptors based on Hybridisation of Corannulene and Thiophene-S,S-dioxide Motifs", *Chem. Eur J.* **2023**, 29, e202203856.
14. D. Halilovic, D. Csókás, R. D Webster, M. C Stuparu*: "Bilateral Aromatic Extension of Corannulene Nucelus", *Eur. J. Org. Chem.* **2022**, e202101548.
15. A. Khan*, M. C. Stuparu*: "Poly(ß-hydroxy thioether)s: synthesis through thiol-epoxy 'click' reaction and post-polymerization modification to main-chain polysulfonium salts", *J. Macromol. Sci, Part A, Pure Appl. Chem*. **2022**, 59, 2.
16. T. Yong, B. Gabor, F. Garcia,* M. C. Stuparu*: "Mechanochemical Transformation of Planar Polyarenes to Curved Fused-Ring Systems", *Nat. Commun.* **2021**, 12, 5187 (*Highlighted in Synform 2021, 12, A198-A200*).
17. M. C. Stuparu*: "Corannulene: A Curved Polyarene Building Block for the Construction of Functional Materials", *Acc. Chem. Res.* **2021**, 54, 2858 (*Invited Accounts Article, Highlighted on Supplementary Cover Page*).
18. A. Saha, D. Csókás, M. Budanović, R. D. Webster, I. Pápai, M. C. Stuparu*: "Synthesis of Azahelicenes through Mallory Reaction of Imine Precursors: Corannulene Substrates Provide an Exception to the Rule in Oxidative Photocyclizations of Diarylethenes", *Chem. Sci.* **2021**, 12, 3977 *(Highlighted in Synfacts, 2021, 17, 394)*.

19. T. Eom, V. Barat, A. Khan, M. C. Stuparu*: "Aggregation-Free and High Stability Core-Shell Polymer Nanoparticles with High Fullerene Loading Capacity, Variable Fullerene Type, and Compatibility towards Biological Conditions", *Chem. Sci.* **2021**, 12, 4949.
20. D. Halilovic, V. Rajeshkumar, M. C. Stuparu*: "Synthesis and Properties of Bis-corannulenes", *Org. Lett.* **2021**, 23, 1468.
21. V. Barat, T. Eom, A. Khan, M. C. Stuparu*: "Buckybowl Polymers: Synthesis of Corannulene-Containing Polymers through Post-Polymerization Modification Strategy", *Polym. Chem.* **2021**, 12, 5209.
22. V. Barat and M. C. Stuparu*: "Corannulene Chalcogenides", *Chem. Asian J.* **2021**, 16, 20.
23. H. Khuntia, T. Trinadh, K. S. Bhavani, T. Anusha, M. C. Stuparu*, P. K. Brahman*: "Synthesis and characterization of corannulene-metal-organic framework support material for palladium catalyst: An excellent anode material for accelerated methanol oxidation", *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 615, 126237.
24. K. S. Bhavani, T. Anusha, M. C. Stuparu*, P. K. Brahman*: "Synthesis and characterization of palladium nanoparticles-corannulene nanocomposite: An anode electrocatalyst for direct oxidation of methanol in alkaline medium", *Journal of Electroanalytical Chemistry*, **2021**, 900, 115654.
25. Gabor, D. Csokas, T. Yong, S. M. Tam, R. R. S. Shi, R. D. Webster, I. Papai, F. Garcia*, M. C. Stuparu*: "Mechanochemical Synthesis of Corannulene‐Based Curved Nanographenes", *Angew. Chem. Int. Ed.* **2020***,* 59, 21620 *(Highlighted in Synfacts, 2020, 16, 1412)*.
26. B. T. Muhammad, V. Barat, T. M. Koh, X. Wu, A. Surendran, N. Yantara, A. Bruno, A. C. Grimsdale, M. C. Stuparu* and W. L. Leong*: "Novel Amphiphilic Corannulene Additive for Moisture-Resistant Perovskite Solar Cells", *Chem. Commun*. **2020**, 56, 11997.
27. V. Barat, M. Budanovic, S. M. Tam, J. Huh, R. D. Webster*, M. C. Stuparu*: "Corannulene-based Electron Acceptors: Combining Modular and Practical Synthesis with Electron Affinity and Solubility", *Chem. Eur J.* **2020**, 26, 3231.
28. V. Barat and M. C. Stuparu*: "Selenium and Tellurium Derivatives of Corannulene: Serendipitous Finding of a One‐Dimensional Stereoregular Coordination Polymer Crystal Based on Te‐O Backbone and Side‐Chain Aromatic Array", *Chem. Eur. J.* **2020**, *26*, 15135.
29. J. Stanvokjovic, J. Oh, A. Khan*, M. C. Stuparu*: "Synthesis of Thermoresponsive Oligo (ethylene glycol) Polymers through Radical Ring-Opening Polymerization of Vinylcyclopropane Monomers", *RSC Advances*, **2020**, 10, 2359.
30. E. M. Muzammil, D. Halilovic, and M. C. Stuparu*: "Synthesis of Corannulene-based Nanographenes", *Commun. Chemistry*, **2019**, 2, 58 (*Invited Review Article*).
31. V. Barat, M. Budanovic, D. Halilovic, J. Huh, R. D. Webster, S. Mahadevegowda, M. C. Stuparu*: "A General Approach to Non-Fullerene Electron Acceptors Based on the Corannulene Motif", *Chem. Commun*. **2019**, 55, 3113 *(Highlighted in Synfacts, 2019, 15, 500)*.
32. E. Nesteros and M. C. Stuparu*: "Corannulene: A Molecular Bowl of Carbon with Multifaceted

Properties and Diverse Applications", *Chem. Commun*. **2018**, 54, 6503 (*Invited Feature Article to 'Emerging Investigators Issue'*).

33. D. Halilovic, M Budanović, Z. R. Wong, R. D. Webster, J. Huh,* M. C. Stuparu*: "Photochemical Synthesis and Electronic Properties of Extended Corannulenes with Variable Fluorination Pattern", *J. Org. Chem.* **2018**, 83, 3529.
34. J. Li, A. Terec, Y. Wang, H. Joshi, Y. Lu, H. Sun, M. C. Stuparu*: "π-Conjugated Discrete Oligomers Containing Planar and Non-Planar Aromatic Motifs", *J. Am. Chem. Soc.* **2017**, *139*, 3089 *(Highlighted in Synfacts, 2017, 13, 489)*.
35. A. Mishra, M. Ulaganathan, E. Edison, P. Borah, A. Mishra, S. Sreejith, S. Madhavi*, M. C. Stuparu*: "Polymeric Nanomaterials based on the Buckybowl Motif: Synthesis through Ring-Opening Metathesis Polymerization and Energy Storage Applications", *ACS Macro Letters* **2017**, *6*, 1212.
36. S. Mahadevegowda, M. C. Stuparu*: "Amphiphilic Corannulene Derivatives: Synthetic Access and Development of a Structure/Property Relationship in Thermoresponsive Buckybowl Amphiphiles", *ACS Omega.* **2017**, *2*, 4964.
37. S. Sreejith, N. V. Menon, Y. Wang, H. Joshi, S. Liu, K. C. Chong, Y. Kang, H. Sun and M. C. Stuparu*: "All-organic Luminescent Nanodots from Corannulene and Cyclodextrin Nano-Assembly: Continuous-Flow Synthesis, Non-Linear Optical Properties, and Bio-Imaging Applications", *Mat. Chem. Front.* **2017***, 1*, 831 *(Highlighted as Inside Cover Page).*
38. S. Mahadevegowda, M. C. Stuparu*: "Thermoreponsive Corannulenes", *Eur. J. Org. Chem.* **2017**, *3*, 570.
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