

4th International Conference CHEMISTRY FOR BEAUTY AND HEALTH

Scientific Programme

Wednesday 17.06.2026			
Time	Duration	Sessions	Details
16:00	1:00	Registration	Registration desk at the Academic Center for Culture and Arts "Od Nowa"
17:00	0:15	Conference Inauguration	Main hall (Academic Center for Culture and Arts "Od Nowa")

Session 1, Chairs: Elżbieta Sikora and Witold Lojkowski

17:15	0:30	Plenary 1	Poonam Singh Nigam - Ulster University, Northern Ireland, UK <i>Evaluation of the effect of unique manuka factor (UMF) honey on the stability of fish oil emulsions against autoxidation; study relevant to UN-SDG3</i>
17:45	0:30	Plenary 2	Frédéric Guittard - Université Côte d'Azur, France <i>Green process for free fluorine superhydrophobic surfaces</i>
18:15	0:20	Invited	Gulzar Muhammad - Government College University Lahore, Pakistan <i>From seeds to smart systems: biocompatible hydrogels for precision drug delivery</i>
18:35	0:15	Oral Contribution	Lukasz John - University of Wroclaw, Poland <i>From cage architecture to biomaterials: the role of multifunctional silsesquioxanes</i>
19:00	-	Welcome Reception	Academic Center for Culture and Arts "Od Nowa"

Thursday 18.06.2026

Time	Duration	Sessions	Details
9:00	0:30	Registration	Registration desk at the Faculty of Chemistry, NCU

Session 2, Chairs: Poonam Singh Nigam and Łukasz John (Auditorium I, Faculty of Chemistry, NCU)

9:30	0:30	Plenary 3	Ketul Popat - George Mason University, USA <i>Nano-engineering the titanium-tissue interface: from surface topography to biofunctionalization</i>
10:00	0:15	Oral Contribution	Radosław Mrówczyński - Adam Mickiewicz University, Poland <i>Preparation of chiral catechol-based materials: structural characterization and applications</i>
10:15	0:15	Oral Contribution	Mariusz Barczak - Maria Curie-Skłodowska University, Poland <i>Enhancing composite magnetic hydrogels for biomedical applications through particle functionalization</i>
10:30	0:15	Oral Contribution	Patrycja Szumala - Gdańsk University of Technology, Poland <i>Eco-friendly method for producing cosmetic emulsions</i>
10:45	0:30	Coffee Break	Hall in front of the auditorium (Faculty of Chemistry, NCU)

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Session 3, Chairs: Roberta Maia Sabino and Mariusz Barczak
(Auditorium I, Faculty of Chemistry, NCU)

11:15	0:30	Plenary 4	Aiman Abu Ammar - Azrieli College of Engineering Jerusalem, Israel <i>Redefining transdermal drug delivery with biodegradable polymeric microneedles</i>
11:45	0:30	Plenary 5	Val Vullev - University of California, USA <i>The multiple colors of charge transfer</i>
12:15	0:15	Oral Contribution	Witold Łojkowski - Institute of High Pressure Physics, Poland <i>Synergy of microwave, high pressure and ultrasonic technologies for tuneable nanohydroksyapatite for bone regrowth after complicated fractures in dogs</i>
12:30	0:15	Oral Contribution	Marta Marzec - Adam Mickiewicz University, Poland <i>From plant extracts to nanocarriers: development and evaluation of modern cosmetic formulations</i>
12:45	0:15	Oral Contribution	Adrian Topolski - Nicolaus Copernicus University, Poland <i>Modification of titania nanotubes arrays with platinum(II) complexes</i>
13:00	2:00	Lunch/Poster Session 1	Hall in front of the auditorium (Faculty of Chemistry, NCU)
15:00	0:05	Conference Photo	
15:05	2:00	Guided tour around Toruń	To start at 15:30 from Copernicus Monument
18:30	-	Barbecue in KOI	Copernican Integration Centre, Olszewskiego 16, Toruń

Friday 19.06.2026

Time	Duration	Sessions	Details
9:00	0:30	Registration	Registration desk at the Faculty of Chemistry, NCU

Session 4, Chairs: Ketul Popat and Beata Świczko-Żurek
(Auditorium II, Faculty of Chemistry, NCU)

9:30	0:30	Plenary 6	Michel Grisel - Université Le Havre Normandie, France <i>How to investigate the physicochemistry of skin surfaces and interfaces?</i>
10:00	0:30	Plenary 7	Roberta Maia Sabino - University of Wyoming, USA <i>Self-sensing biomaterial interfaces: SERS-active titanium surfaces for real-time monitoring of tissue responses</i>
10:30	0:15	Oral Contribution	Małgorzata Pawlikowska - Pure Clinical Sp. z o.o., Poland <i>Ensuring beauty and health: clinical evidence and regulatory challenges in the MDR era for aesthetic products</i>
10:45	0:15	Oral Contribution	Anna Olejnik - Adam Mickiewicz University, Poland <i>Modified organosilicon UV filters with improved safety profiles for sunscreen applications</i>
11:00	0:30	Coffee Break	Hall in front of the auditorium (Faculty of Chemistry, NCU)

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*Session A for Young Scientists, Chairs: Val Vullev and Łukasz Palkowski
(Auditorium II, Faculty of Chemistry, NCU)*

11:30	0:15	Oral Contribution	Jakub Reczkowski - Poznan University of Technology, Poland <i>Phytic acid-functionalized ligament implants as a platform for targeted release of anti-inflammatory drugs</i>
11:45	0:15	Oral Contribution	Saha Akash - Tomas Bata University in Zlin, Czech Republic <i>Optimization of mycelial growth and bioactive compound production by ganoderma lucidum</i>
12:00	0:15	Oral Contribution	Aleksandra Szarwaryn - Wroclaw University of Science and Technology, Poland <i>Naturally derived nanostructured lipid carriers in cosmetic formulation design: tailoring the physicochemical profile through composition</i>
12:15	0:15	Oral Contribution	Ranjana Thachangade - Nicolaus Copernicus University, Poland <i>Development of genipin crosslinked chitosan maleic anhydride hydrogels with tunable physicochemical and biological properties</i>
12:30	0:15	Oral Contribution	Weronika Oszczyda - Wroclaw University of Science and Technology, Poland <i>PUFA-based sorbitan esters as tailored surfactants for rational design of dual-loaded multiple nanoemulsions</i>
12:45	0:15	Oral Contribution	Tuba Tuba - Nicolaus Copernicus University, Poland <i>Sodium alginate/dracocephalum moldavica seed mucilage-based films containing nanohydroxyapatite for potential wound healing application</i>
13:00	0:15	Oral Contribution	Justyna Matysek - AGH University of Krakow, Poland <i>Folate-targeted magnetic-gold nanoplatfrom loaded with carboplatin for ovarian cancer theranostics</i>
13:15	0:15	Oral Contribution	Aleksandra Ciechońska - Warsaw University of Life Sciences, Poland <i>Graphene oxide aerosol affects the morphological and functional state of pancreatic cancer cells</i>

*Session B for Young Scientists, Chairs: Elena Filova and Aiman Abu Ammar
(Room 61, Faculty of Chemistry, NCU)*

11:30	0:15	Oral Contribution	Katarzyna Czerniewicz - Poznan University of Medical Sciences, Poland <i>From fruit waste to skin care: in vivo and microbiological evaluation of an apple pomace-based skincare regimen</i>
11:45	0:15	Oral Contribution	Adrian Grzonka - Jagiellonian University, Poland <i>Intranasal delivery systems of temozolomide for glioblastoma therapy: preparation, characterization and in vitro study</i>

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12:00	0:15	Oral Contribution	<p>Mainak Chaudhuri - Tomas Bata University in Zlin, Czech Republic <i>Probiotic bacterial cellulose-based novel antibacterial hydrogel: a biomaterial for healthcare</i></p>
12:15	0:15	Oral Contribution	<p>Karima Afandi - Nicolaus Copernicus University, Poland <i>Herb-enriched alginate films: mechanical reinforcement and antioxidant functionality for cosmetic applications</i></p>
12:30	0:15	Oral Contribution	<p>Kamila Czerniak - Poznan University of Technology, Poland <i>Surface-functionalized orbital reconstruction implants for targeted antibiotic delivery</i></p>
12:45	0:15	Oral Contribution	<p>Muhammad Tahir - Nicolaus Copernicus University, Poland <i>Polydopamine coating on films based on chitosan, caffeine, and l-arginine</i></p>
13:00	0:15	Oral Contribution	<p>Aleksandra Rosińska - Gdansk University of Technology, Poland <i>The β-galactosidases 1015 and 1039, family 2 glycoside hydrolases with transglycosylation activity able to synthesize</i></p>
13:15	0:15	Oral Contribution	<p>Mateusz Bielicki - Nicolaus Copernicus University, Poland <i>Drug release kinetics from the surface of titanium</i></p>
13:30	2:00	Lunch/Poster Session 2	Hall in front of the auditorium (Faculty of Chemistry, NCU)
15:30	0:15	Closing Ceremony and Awards	Auditorium II, Faculty of Chemistry, NCU
17:00	1:00	Visit to The Museum of Toruń Gingerbread	Museum of Toruń Gingerbread, Strumykowa 4
19:00	-	Farewell Conference Dinner	