



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI CHIMICA,
MATERIALI E INGEGNERIA CHIMICA
GIULIO NATTA



Associazione Italiana Chimica e Tecnologia delle Ciclodestrine



10-12 June 2019

IV International Summer School on Cyclodextrins

Scientific program and list of posters





Associazione Italiana Chimica e Tecnologia delle Ciclodestrine

IV International Summer School on Cyclodextrins

Milano, 10-12 June 2019

Conference Room "Giulio Natta"

P.zza Leonardo da Vinci 32

Under the auspices of



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TEACHERS

Raffaella ASENSIO - Perani & Partners Milano (IT)

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Fabrizio CALDERA - Università di Torino (IT)

Roberta CAVALLI - Università di Torino (IT)

Bezhan CHANKVETADZE - Tbilisi State University (GE)

Monica FERRO - Politecnico Milano (IT)

Sophie FOURMENTIN - ULCO (FR)

Gustavo GONZÁLEZ-GAITANO - Universidad de Navarra (ES)

Kim LAMBERTSEN LARSEN - Aalborg University (DK)

Thorsteinn LOFTSSON - University of Iceland (IS)

Francesca MAESTRELLI - Università di Firenze (IT)

Milo MALANGA - Cyclolab (HU)

Bernard MARTEL - Université de Lille (FR)

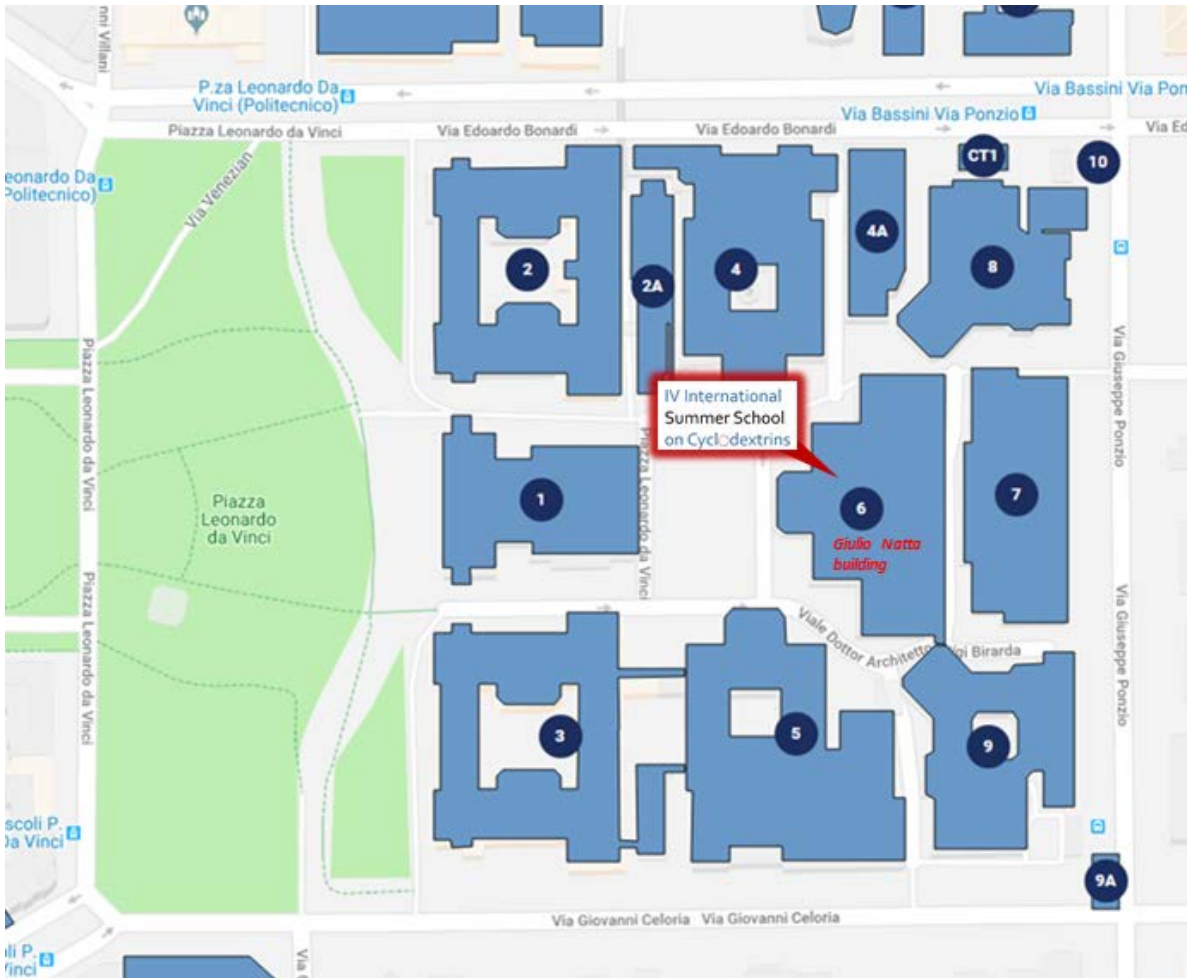
Giuseppina RAFFAINI - Politecnico Milano (IT)

Barbara ROSSI - ELETTRA Synchrotr. Trieste (IT)

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LEONARDO CAMPUS

MAP: <https://maps.polimi.it/maps/>



SCIENTIFIC PROGRAM

MONDAY, 10 JUNE

- | | |
|---------------|---|
| 13.00 - 14.00 | REGISTRATION |
| 14.00 - 14.15 | Prof. Andrea Mele and Prof. Francesco Trotta
<i>WELCOME</i> |
| 14.15 - 15.00 | Milo Malanga - Cyclolab (Hungary)
<i>Functionalized cyclodextrins: synthetic strategies</i> |
| 15.00 - 15.45 | Barbara Rossi - ELETTRA Synchrotron Trieste (Italy)
<i>Vibrational spectroscopies for CDs and CD polymers</i> |
| 15.45 - 16.30 | Francesca Maestrelli - Univ. Firenze (Italy)
<i>Phase solubility diagrams</i> |
| 16.30 - 17.00 | COFFEE BREAK |
| 17.00 - 17.45 | Giuseppina Raffaini - Politecnico di Milano (Italy)
<i>Molecular modeling of CD complexes</i> |
| 17.45 - 18.30 | Sophie Fourmentin - ULCO Dunkerque (France)
<i>Analytical Methods for the Characterization of Cyclodextrin Inclusion Complexes</i> |
| 18.30 - 20.30 | APERICENA AT POLIMI |

TUESDAY, 11 JUNE

- 8.30 - 9.15 Thorsteinn Loftsson - University of Iceland (Iceland)
Drug delivery with cyclodextrins
- 9.15 - 10.00 Erem Bilensoy - Hacettepe Univ. Ankara (Turkey)
Cyclodextrins for nanomedicine
- 10.00 - 10.45 Roberta Cavalli - Univ. Torino (Italy)
Pharmaceutical formulations with cyclodextrins
- 10.45 - 11.15 COFFEE BREAK
- 11.15 - 12.00 Gustavo González-Gaitano- University of Navarra (Spain)
Scattering methods for cyclodextrins
- 12.00 - 12.45 Fabrizio Caldera - Univ. Torino (Italy)
CD nanosponges: synthesis and applications
- 12.45 - 14.00 LUNCH
- 14.00 - 14.45 Monica Ferro - Politecnico di Milano (Italy)
Dynamics of guests inside CD nanosponges and hydrogels
- 14.45 - 15.30 Bezhan Chankvetadze - Tbilisi State University (Georgia)
Electrophoretic separations with cyclodextrins
- 15.30 - 16.15 Bernard Martel University of Lille1 (France)
Electrospinning technology applied to elaboration of cyclodextrins containing nanofibers and applications
- 16.15 - 16.45 COFFEE BREAK
- 16.45 - 19.00 POSTER SESSION
- 20.00 - ... SOCIAL DINNER AND WALK IN TOWN

WEDNESDAY, 12 JUNE

- 8.30 - 9.15 Federica Balzano - Università di Pisa (Italy)
NMR methods in cyclodextrin chemistry
- 9.15 - 10.00 Kim Lambertsen Larsen - Aalborg University (Denmark)
Characterisation of CD and CD inclusion complexes in the solid state
- 10.00 - 10.15 ANNOUNCEMENT OF POSTER COMPETITION WINNER
- 10.15 - 10.45 COFFEE BREAK
- 10.45 - 11.30 Raffaella Asensio - Perani & Partners Milano (Italy)
Intellectual Property aspects
- 11.30 - 12.15 Milena Sorrenti - Università di Pavia (Italy)
Thermal methods for CD inclusion complexes
- 12.15 - 12.45 QUESTIONS TIME AND CLOSING REMARKS
- 12.45 - 14.00 LUNCH AND GOOD BYE

POSTERS

- P01. Carlos Aydillo
Cyclodextrin Inclusion Complexes of New Organoseleno Compounds with Anticancer Activity
- P02. Sara Barban
Inclusion complex between an amphiphilic cyclodextrin and an anti-cancer drug: a Molecular Dynamics Study
- P03. Andrea Cesari
Enantioselective inclusion processes of (+)- and (-)-oxazepam hemisuccinate into heptakis-(2,6-di-O-methyl)- β -cyclodextrin (DIMEB) and heptakis-(2,3,6-tri-O-methyl)- β -cyclodextrin (TRIMEB)
- P04. Jaime Conceição
Hydroxypropyl- β -cyclodextrin as excipient of 3D printed tablets
- P05. Annalaura Cordaro
Cyclodextrin-based nanoassemblies as therapeutic scaffolds for the treatment of inflammatory diseases
- P06. Tracy El Achkar
SUPRADES: new solvents based on cyclodextrins
- P07. Leire Goñi
Food packaging films containing TiO₂ nanoparticles modified with β -Cyclodextrins. Degradation studies.
- P08. Cosimo Micheletti
Protective role of cyclodextrins against hydrolytic decomposition of bendamustine hydrochloride: an NMR investigation
- P09. Attila Palágyi
Cyclodextrin based Schiff base pro-fragrances containing covalently bound volatile substances and studies of their release
- P10. Max Petitjean
Polysaccharide matrices grafted with β -cyclodextrin as green sorbents

- P11. Luciana de Matos Alves Pinto
Functionalized Cyclodextrin on Silica for the Formation of Inclusion Compounds with Methyltestosterone
- P12. Luciana de Matos Alves Pinto
Analysis of the inclusion complex of atemoya seed oil with potential biological activity
- P13. Luciana de Matos Alves Pinto
Multicomponent synthesis of a curcumin derivative and characterization of its inclusion complex
- P14. Roberto Vittorio Pivato
 β -cyclodextrin nanospheres for drug release: HR-MAS NMR diffusion and macroscopic release study
- P15. Manisha Prajapati
Effect of pH on the degradation rate of Tacrolimus in Cyclodextrin solution
- P16. Pitsiree Praphanwittaya
Effect of acidic ternary salts on Dovitinib/cyclodextrin solubilization and complexation
- P17. Joan Puig Rigall
Hybrid Pseudo-polyrotaxanes of Tetronic® block copolymers with native and modified cyclodextrins: impact of simultaneous threading on the stoichiometry, kinetics and self-aggregation
- P18. Alessandra Recchimurzo
2-Methyl- β -cyclodextrin conjugates of ammonium-chitosans: affinity towards Dalargin and protection against enzymatic hydrolysis
- P19. Roberto Romita
Cyclodextrin-based polymers as efficient and recyclable systems for the removal of emerging pollutants from water
- P20. Suppakan Sripecth
The degradation of natural γ -cyclodextrin by porcine pancreas α -amylase enzyme
- P21. Mabel Torr ns del Valle
Cyclodextrin polymers as capture agents for marine toxins

P22. Laura Uribe

Towards extraction and purification protocols for marine toxins based on cyclodextrin-derived nanomaterials

P23. Anna Vlasova

Study of cyclodextrin derivatives as drug delivery systems

LIST OF PARTICIPANTS

Akkin, Safiye	safiye_ial@hotmail.com
Apostol, Petru	apostolp@natur.cuni.cz
Appleton, Silvia Lucia	silvia.appleton@edu.unito.it
Asensio, Raffaella	rasensio@perani.com
Aydillo, Carlos	caydillo@unav.es
Balzano, Federica	federica.balzano@unipi.it
Barban, Sara	sara.barban@mail.polimi.it
Bilensoy, Erem	eremino@hacettepe.edu.tr
Caldera, Fabrizio	fabrizio.caldera@unito.it
Castiglione, Franca	franca.castiglione@polimi.it
Cavalli, Roberta	roberta.cavalli@unito.it
Cesari, Andrea	andrea.cesari@outlook.com
Chankvetadze, Bezhan	jpba_bezhan@yahoo.com
Colombo Dugoni, Greta	greta.colombodugoni@polimi.it
Conceição, Jaime	jmgmconceicao@ff.up.pt
Cordaro, Annalaura	acordaro@unime.it
Demirtürk, Nurbanu	nurbanudemirturk@gmail.com
Dhakar, Nilesh Kumar	nilesh.dhakar@edu.unito.it
Di Pietro, Maria Enrica	mariaenrica.dipietro@polimi.it
El Achkar, Tracy	achkar.tracy@gmail.com
Ferro, Monica	monica.ferro@polimi.it
Fourmentin, Sophie	lamotte@univ-littoral.fr
Fragoso, Alex	alex.fragoso@urv.cat
Goñi, Leire	lgoni.4@alumni.unav.es
González-Gaitano, Gustavo	gaitano@unav.es
Hoti, Gjylije	gjylije.hoti@edu.unito.it
Lambertsen Larsen, Kim	kll@bio.aau.dk
Levet, Gaspard	gaspard.levet@etu.univ-rouen.fr
Loftsson, Thorsteinn	thorstlo@hi.is
Maestrelli, Francesca	francesca.maestrelli@unifi.it
Malanga, Milo	malanga@cyclolab.hu
Mannu, Alberto	alberto.mannu@polimi.it
Martel, Bernard	bernard.martel@univ-lille.fr
Mele, Andrea	andrea.mele@polimi.it
Michel, Bastien	bastien.michel@lgp2.grenoble-inp.fr
Micheletti, Cosimo	cosimo.micheletti@gmail.com
Miro Specos, Maria Magdalena	mariamiro@yahoo.com
Nielsen, Thorbjørn Tenrdrup	ttn@bio.aau.dk
Palágyi, Attila	attila.palagyi1@gmail.com
Panzeri, Walter	walter.panzeri@polimi.it
Petitjean, Max	mpetitjean@alumni.unav.es
Pinto, Luciana	luca@ufla.br
Piras, Anna Maria	anna.piras@unipi.it

Pivato, Roberto Vittorio	<u>robertovittorio.pivato@mail.polimi.it</u>
Pozzi, Giovanni	<u>gpozzi@sipcam.com</u>
Prajapati, Manisha	<u>map52@hi.is</u>
Praphanwittaya, Pitsiree	<u>pip3@hi.is</u>
Puig Rigall, Joan	<u>jpuig.2@alumni.unav.es</u>
Punta, Carlo	<u>carlo.punta@polimi.it</u>
Raffaini, Giuseppina	<u>giuseppina.raffaini@polimi.it</u>
Recchimurzo, Alessandra	<u>alessandra.recchimurzo06@gmail.com</u>
Riva, Laura	<u>laura2.riva@polimi.it</u>
Rossi, Barbara	<u>roberto.romita@uniba.it</u>
Romita, Roberto	<u>barbara.rossi@elettra.eu</u>
Rubin Pedrazzo, Alberto	<u>alberto.rubinpedrazzo@unito.it</u>
Sembo-Backonly, Sandra	<u>sandra.sembo-backonly@etu.univ-rouen.fr</u>
Sorrenti, Milena Lillina	<u>milena.sorrenti@unipv.it</u>
Sripetch, Suppakan	<u>sus18@hi.is</u>
Torréns del Valle, Mabel	<u>mabel.torrens@urv.cat</u>
Trotta, Francesco	<u>francesco.trotta@unito.it</u>
Uribe, Laura	<u>laura.uribe@urv.cat</u>
Vlasova, Anna	<u>vlasovaanne@gmail.com</u>
Zarrabi, Ali	<u>alizarrabi@sabanciuniv.edu</u>