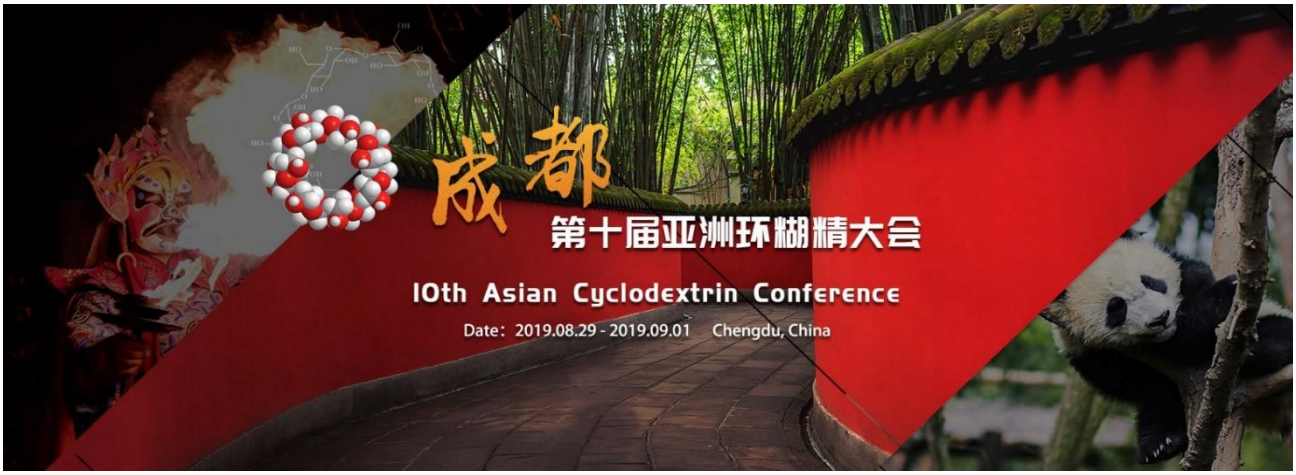
成都 第十届亚洲环糊精大会
10th Asian Cyclodextrin Conference

CONFERENCE BROCHURE



Dear Participants

It is my great pleasure, on behalf of the organizing committee, to cordially invite you to attend the 10th Asian Cyclodextrin Conference (**10ACC**) to be held during 29th Aug.-1st Sep. 2019, in Chengdu, China. Asian Cyclodextrin Conference has been held every two years in the Asian and Oceanian country region since 2002. The first Asian Cyclodextrin Conference was organized by the Society of Cyclodextrins of Japan and was held in Chiba, Japan.

The studies on cyclodextrin have attracted tremendous attention during the recent decades and cyclodextrins are one of the most studied compounds in a wide range of fields, including pharmaceutical, food, chemical industries, environment, agriculture, and biomedical engineering. Today, we can still see rapid growth in the field of cyclodextrin science. Asian Cyclodextrin Conference aims to gather the scientists around the world, especially in the Asian and Oceanian region, who working in various aspects of cyclodextrins, to exchange their ideas and experience. 10ACC also plans a series of incentive means to encourage the Ph.D. students and early-career scientists to attend the conference, and they will have chances to win one of the prestigious poster awards supported by the Nagai Foundation of Japan.

Along with the scientific programs, I believe that the visit to Chengdu will be a worthwhile trip. Chengdu is the capital city of Sichuan province located in the southwest part of China. It is most famous for the hometown of panda. Chengdu is a city with a long history and is known as “Land of Abundance”, it has been the political, economic, cultural center of southwest China since ancient times, and the capital of seven dynasties in China’s history. The “Ancient Shu Culture”, “Culture of Three Kingdoms”, “Chengdu Delicacies” and unique natural landscapes will surely fascinate you and make your trip to China unforgettable.

We look forward to seeing you at this exciting conference.

Chair of 10ACC
College of chemistry, Sichuan University

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10ACC Program Schedule

K: Keynote Lecture

I: Invited Lecture

O: Oral Presentation

All Lectures, oral presentations and poster presentations will be at Crowne Plaza

August 29 (Thursday)	
14:00-18:00	**Registration at Crowne Plaza**
18:00-20:00	**Dinner** (taking bus at the entrance gate of Crowne Plaza to the restaurant at 18:20)

Day1: August 30 (Friday)	
09:00-09:10	**Opening Remark at the second floor, Banquet hall I in Crowne Plaza**
09:10-09:25	**The Introduction of Chengdu Medical City (**Yi Li)
	Keynote Session 1 (Chair: Yu Liu)
09:25-10:00	K1 Akira Harada
10:00-10:35	K2 Hidetoshi Arima
10:35-11:05	**Group Photo & Coffee Break 1**
	Keynote Session 2 (Chair: Akira Harada)
11:05-11:40	K3 Xiang Ma
	Invited Session 1 (Chair: Akira Harada)
11:40-12:05	I1 Ying-Ming Zhang
12:05-14:00	**Lunch at the Chinese restaurant on the first floor in Crowne Plaza**
	Invited Session 2 (Chair: Hidetoshi Arima)
14:00-14:25	I2 Keiko Takahashi
14:25-14:50	I3 Shao-Min Shuang
14:50-15:15	I4 Bo Yang
	Invited Session 3 (Chair: Xiang Ma)
15:15-15:40	I5 Palaniswamy Suresh

15:40-16:05	I6 Sheng Zhang
16:05-16:40	**Poster Presentation 1 & Coffee Break 2**
	Oral Session (Chair: Jun Li)
16:40-16:55	O1 Lan Jiang
16:55-17:10	O2 Yu-Cheng Wang
17:10-17:25	O3 Abhishek Gupta
17:25-17:40	O4 Xue-Qin Wei
17:40-17:55	O5 Rina Maeda
17:55-18:10	O6 Shuntaro Uenuma
18:10-20:00	**Dinner at the Chinese restaurant on the first floor in Crowne Plaza**

Day2: August 31 (Saturday)
Visit - Poster Presentation - Free Academic Discussion

Day3: September 01 (Sunday)	
	Keynote Session 3 (Chair: De-Qi Yuan)
09:00-09:35	K4 Kohzo Ito
09:35-10:10	K5 Jun Li
10:10-10:30	**Poster Presentation 2 & Coffee Break 3**
	Invited Session 4 (Chair: Shao-Min Shuang)
10:30-10:55	I7 De-Qi Yuan
10:55-11:20	I8 Yong Chen
11:20-11:45	I9 Kuakarun Krusong
11:45-12:00	**Closing Remarks**
12:00-14:00	**Lunch at the Chinese restaurant on the first floor in Crowne Plaza**

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Detailed Schedule of Oral Presentations

Keynote Session 1 (Session Chair: Yu Liu)

Friday, August 30, 2019.

Banquet hall I, on the second floor of Crowne Plaza

09:25-10:00 Cyclodextrin-based Supramolecular Materials

K1 **Akira Harada**

Osaka University, Japan

10:00-10:35 Potential Application of Cyclodextrins as Targeted Drug Carriers and Active Pharmaceutical Ingredients

K2 **Hidetoshi Arima**

Daiichi University of Pharmacy, Japan

Keynote Session 2 (Session Chair: Akira Harada)

Friday, August 30, 2019.

Banquet hall I, on the second floor of Crowne Plaza

11:05-11:40 Stimuli-responsive Luminescent Supramolecules

K3 **Xiang Ma**

East China University of Science & Technology, China

Invited Session 1 (Session Chair: Akira Harada)

Friday, August 30, 2019.

Banquet hall I, on the second floor of Crowne Plaza

11:40-12:05 Cyclodextrin-based Bioactive Nanosystems: Toxin Clearance and Microtubulin Aggregation

I1 **Ying-Ming Zhang**

Nankai University, China

Invited Session 2 (Session Chair: Hidetoshi Arima)

Friday, August 30, 2019.
Banquet hall I, on the second floor of Crowne Plaza

14:00-14:25 **I2** Molecular Structure of γ-Cyclodextrin in Non-aqueous Solutions
Keiko Takahashi
Tokyo Polytechnic University, Japan

14:25-14:50 **I3** Study on β-Cyclodextrin Modified Nanocomposites and Its Application
Shao-Min Shuang
Shanxi University, China

14:50-15:15 **I4** Cyclodextrin-based Delivery Systems for Cancer Treatment
Bo Yang
Kunming University of Science and Technology, China

Invited Session 3 (Session Chair: Xiang Ma)

Friday, August 30, 2019.
Banquet hall I, on the second floor of Crowne Plaza

15:15-15:40 **I5** Cyclodextrins as Supramolecular Host and Organocatalytic Reaction Vessels for Hydroxylation: Sustainable Method to Access Phenolic Motifs
Palaniswamy Suresh
Madurai Kamaraj University, India

15:40-16:05 **I6** Tough and Elastic Materials with Responsiveness Based on Host-guest Interactions of Cyclodextrins
Sheng Zhang
Sichuan University, China

Oral Presentation (Session Chair: Jun Li)

Friday, August 30, 2019.
Banquet hall I, on the second floor of Crowne Plaza

16:40-16:55 **O1**
One-pot Synthesis of Polyrotaxane with Different Host Coverage and Its Slide-ring Materials
Lan Jiang
The University of Tokyo, Japan

16:55-17:10 **O2**
Preparation of Poly(methyl Methacrylate) Based Polyrotaxane via RAFT Polymerization and Gel Analysis
Yu-Cheng Wang
The University of Tokyo, Japan

17:10-17:25 **O3**
Production and Characterisation of Bacterial Cellulose Hydrogels Loaded with Silver Nanoparticles Produced Using Curcumin-cyclodextrin as a Reducing Agent
Abhishek Gupta
University of Wolverhampton, The United Kingdom

17:25-17:40 **O4**
Photocyclodimerization of 2-Anthracenecarboxylate to Slipped Cyclodimers via a 2:2 Complex with β-Cyclodextrin
Xue-Qin Wei
Sichuan University, China

17:40-17:55 **O5**
Supramolecular Nanosheet Assembled from Cyclodextrin-Based Pseudo-polyrotaxane
Rina Maeda
The University of Tokyo, Japan

17:55-18:10 **O6**
Formation of Self-assembled Nanosheet Consisting of α-CD and PEG
Shuntaro Uenuma
The University of Tokyo, Japan

Keynote Session 3 (Session Chair: De-Qi Yuan)

Sunday, September 01, 2019.
Banquet hall I, on the second floor of Crowne Plaza

09:00-09:35 **K4**
Slide-Ring Materials: Novel Tough Polymers for Automobile
Kohzo Ito
The University of Tokyo, Japan

09:35-10:10 **K5**
Development of Novel Drug and Gene Delivery Systems Based on Supramolecular Self-assemblies between Polymers and Cyclodextrins
Jun Li
National University of Singapore, Singapore

Invited Session 4 (Session Chair: Shao-Min Shuang)

Sunday, September 01, 2019.

Banquet hall I, on the second floor of Crowne Plaza

10:30-10:55 **I7** Cyclodextrin Dimer with a Rigid Linker Equilibrates Between Self-inclusion and Non-Inclusion Structures: The Tumbling of Glucose Unit

De-Qi Yuan

Kobe Gakuin University, Japan

10:55-11:20 **I8** Photoreaction-promoted Supramolecular Assembly of Cyclodextrin

Yong Chen

Nankai University, China

11:20-11:45 **I9** Improvement of Large-Ring Cyclodextrin Production and Its Applications

Kuakarun Krusong

Chulalongkorn University, Thailand

List of Poster Presentations

P1	**3D-rGO/Fe3O4/HP-β-Cyclodextrin Electrochemical Sensor for the Simultaneous Determination of Serotonin, Dopamine and Ascorbic Acid** Yanqin RONG, Shanxi University, China.
P2	**Multifunctional Drug Carrier System Based on β-Cyclodextrin-Cholic acid-Hyaluronic Acid Functionalized Magnetic Graphene Nanocomposites** Chaochao WEN, Shanxi University & Shanxi Medical University, China.
P3	**3D-G/Fe_3O_4-AuNPs/HP-β-cyclodextrin Electrochemical Sensor for the Simultaneous Quantification of Guanine and Adenine** Xiaotong LIANG, Shanxi University, China.

P4	**Assembly-Enhanced Triplet-Triplet Annihilation Upconversion in the Aggregation Formed by Schiff-base Pt(II) Complex Grafting-Permethyl-β-CD and 9, 10-Diphenylanthracence Dimer** Hongxia LAI, Sichuan University, China.
P5	**Polyrotaxane Based on Cyclodextrin Coupled Acyclic Cucurbit[n]uril** Fanjie LI, Kunming University of Science and Technology, China
P6	**Disulfide-based Targeted Supramolecular Theranostic Polysaccharide Nanoparticle for CPT Delivery** Yu-Hui ZHANG, Inner Mongolia Agricultural University, China.
P7	**Diastereoselective Recognition of Cinchona Alkaloids by Cationic Per-6-Amino-cyclodextrins** Shuang SONG, Kunming University of Science and Technology, China.
P8	**The Design and Preparation of a Series of Acid-Labile Cyclodextrin Containers for Controlled Release** Jieling LIN, Kunming University of Science and Technology, China.
P9	**Enhancing Solubility of Florfenicol by Cyclodextrin Polymer** Jian SHEN, Weifang University, China.
P10	**Photocatalytic Supramolecular Enantiodifferentiating Dimerization of 2-Anthracenecarboxylic Acid through Triplet−Triplet Annihilation** Ming RAO, Sichuan University, China.
P11	**Enhanced White-Light Emissions Mediated by Carbon Dot and Adamantane-Modified Tetraphenylethylene Pyridinium Derivative** Xianyin DAI, Nankai University, China.

P12	**Self-Cleaning Composite Membranes Prepared by β-Cyclodextrin Cross-Linking Polymerization on Electrospinning Membranes for Filtration of Dyes in Water** Wenshi XU, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P13	**Photosensitized Cyclodextrin Anthraquinone Derivatives for Cell Hypoxia Detection** Lei CHEN, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P14	**A Cyclodextrin-Derived Fluorescent Probe for Monitoring Intracellular Cysteine** Zhixue LIU, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P15	**A Cyclodextrin-based Novel Chiral Separation Platform for Tryptophan Isomers** Yinxing YAN, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P16	**Light-Responsive Supramolecular Assemblies Based on Cyclodextrin Modified with Spiropyrane** Xinkun MA, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P17	**Enzyme-Responsive Supramolecular Nanoparticles for Targeted Cancer Therapy** Yao-Hua LIU, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.

P18	**An AIE Fluorescent Supramolecular Assembly Based on Sulfato-β-Cyclodextrin Induced Aggregation: Construction in Explosive Detection** Xuan ZHAO, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P19	**Cationic β-Cyclodextrin Crosslinked Mesoporous Polymers for Molecular Recognition** Junfu SUN, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P20	**Hybrid Nanoparticles via Assembly of Ethylenediamine-β-cyclodextrin and Polyoxometalate for Enhanced Photo-degradation Capability** Jing WANG, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P21	**Tunable Supramolecular Assembly based on Perylene Bisimides bridged bis(β-cyclodextrin)** Jingjing LI, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P22	**A User-friendly Herbicide Derived from Sulfonato-β-Cyclodextrin Mediated Supramolecular Nanoparticle** Conghui WANG, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P23	**Assembly and Chiral Optical Behaviors of Binaphthyl Bridged Cyclodextrin with Porphyrin** De-Ao XU, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.

P24	**Mitochondrial Dysfunction Mediated by Supramolecular Nanoassemblies for Photothermal Therapy** Bing ZHANG, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P25	**The application of Sulfonamide-β-Cyclodextrin-Mediated Supramolecular Nanoparticles in Controlled Release of Insulin** Bohan GU, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P26	**Optical Behavior of Supramolecular Assemblies Based on Cyclodextrin and EY** Fangfang SHEN, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P27	**Novel Strategy of Electrochemical Analysis of DNA Bases with Enhanced Performance Based on Copper−nickel Nanosphere Decorated Nitrogen, Boron−Doped Reduced Graphene Oxide** Peng LEI, Nankai University & Collaborative Innovation Center of Chemical Science and Engineering, China.
P28	**β-Cyclodextrins Modified Polypyrrole@Polydopamine Nanocomposites for Folate Targeted Synergistic Chemo-Photothermal Therapy** Shasha HONG, Shanxi University, China.
P29	**A Facile Fabrication Route of Janus Gold-Mesoporous Silica Nanocarriers with Dual Drug Delivery for Therapy of Tumors** Yang XING, Shanxi University, China.

P30	**Effect of Modified Cyclodextrin on the Structure and Physical Properties of Poly(Lactic Acid)** Takeshi YAMANOBE, Gunma University, Japan.
P31	**Increase the Solubility of Narigin by Cyclodextrins** Karan WANGPAIBOON, Chulalongkorn University, Thailand.
P32	**Room-Temperature Phosphorescent γ-Cyclodextrin-Cucurbit[6] uril-Cowheeled [4]Rotaxanes for Specific Sensing of Tryptophan** Xingke YU, Sichuan University, China.
P33	**Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate to Slipped Cyclodimers via a 2:2 Complex with β-Cyclodextrin** Xueqin WEI, Sichuan University, China.
P34	**Production and Characterisation of Bacterial Cellulose Hydrogels Loaded with Silver Nanoparticles Produced Using Curcumin-cyclodextrin as a Reducing Agent** Abhishek GUPTA, University of Wolverhampton, The United Kingdom