**ABSTRACT TEMPLATE FOR GBA-SPT 2023 and 2nd GBA-MMP**

**[ONLINE CONFERENCE, MAY 19-22, 2023]**

**Presentation Title**

A. Author 1a\* *(Presenting Author underlined),* B. Author 2b, and C. Author 2c\*\*

a Affiliation,xxx, Address

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c Affiliation,xxx, Address

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**ABSTRACT**

Provide abstract body here, 12 pt Arial, with single line spacing.

200-300 words, maximum one figure and one table (up to two A4 pages).

**KEYWORDS**

Provide maximum of 5 keywords, 12 pt Arial

**REFERENCES**

Provide a list of references, 10 pt Arial

**ACKNOWLEDGEMENTS**

Include the acknowledgement here, 12 pt Arial, with single line spacing

**SESSION PREFERRED**

Preferred sessions (please check up to 3 boxes in the next page)

**AWARDS**

Check the box below if you would like to be considered for a presentation award:

For graduate student

For postdoc

**Membrane-based Separations (Session Chairs) 膜分离技术（分会主席）**

Reverse Osmosis, Nanofiltration, Microfiltration, Ultrafiltration, and Forward Osmosis反渗透、纳滤、微滤、超滤及正渗透（杨哲/郭浩/戴若彬）

Membrane Transport Phenomena and Process Simulation膜传递机理与膜过程模拟（李炜怡/王力/孙飞云/李贤辉）

Electro-driven Membrane Technology and Ion-exchange Membrane电驱动膜技术及离子膜（汪耀明/赵严/沈江南）

Two-dimensional Membrane Materials and Processes二维膜材料与膜过程（魏嫣莹/ Kaige Zhou/李鑫）

Novel Membrane Materials and Processes新型膜材料与膜过程（李砚硕/Gongping Liu/代忠德）

Inorganic Membrane for Gas and Liquid Separations无机膜（Yi Liu/Xuefeng Zhu）

Membrane Fabrication and Characterization膜制备方法与膜表征（Fusheng Pan/李雪松/朱军勇）

Membrane-based Gas Separations and CO2 Capture 基于膜的气体分离、CO2捕集利用及储存（张亚涛/江河清/Xuerui Wang/Canghai Ma）

Membrane Distillation, Pervaporation, Hydrophobic Membrane, and Processes膜蒸馏、渗透气化、疏水膜及过程（Xiaobin Jiang/Shuangliang Zhao/邵嘉慧/王樟新）

Integrated Membrane Processes and Membrane Antifouling Strategies集成膜技术与膜污染防治（林红军/孙世鹏/孙鹏飞）

Membrane-based Water and Energy Applications基于膜的水和能源应用（黄壹/童鑫）

Bio-inspired Ion Transport Channel仿生离子通道（郑爽/罗建泉）

**Adsorption-based Separations (Session Chairs) 吸附分离技术（分会主席）**

Biomass, bioproduct, and bioenergy生物质、生物基产品、生物能源（齐本坤/Ranil Wickramasinghe/林晓清）

Adsoption-based Gas Separation and CO2 capture基于吸附材料的气体分离及CO2捕集利用及储存（吴春飞/尚进/陈彦广/江霞）

Resource Recovery资源回收（刘雨/何超/潘建明）

Heavy Metal Removal重金属去除（王崇臣/王钟颖/肖静）

Adsorptive Separation of Hydrocarbons轻烃吸附分离（孙林兵/尚进/鲍宗必）

**Green and Sustainable Separation and Purification Technology绿色可持续分离技术专题（分会主席）**

Data Science/Artificial Intelligence for Membrane- and Sorbent-based Separation and Purification Technology基于数据科学/人工智能的分离提纯技术（陈勇生/王笑楠）

Electrochemical Separations电化学分离（马金星/张常勇/杨晓伟/郝晓刚）

Extractive Separations萃取分离（杨启炜/Joao A. P. Coutinho/林晓清）

Ions Separation离子分离（汪勇/林士弘/赵严）

Crystallization and Evaporation结晶蒸发（姜晓滨/高鑫）

Advanced Distillation先进精馏（高鑫/申威峰）

Ionic liquid: Novel Separation and Reaction Processes离子液体：新型分离和反应过程（王键吉/何宏艳）

Oil/Water Separation油水分离 （李望良/Dr. Zheng Shuang/董亮亮）

Bioseparations toward Bioenergy and Biopharmaceutical Industry 生物医药产品分离（罗建泉/Andrew Zydney/Siavash Darvishmanesh）

Advanced Oxidation Technology高级氧化技术（徐熙焱/马百文）

3D printing technology for novel membrane technology and structuring absorbents 3D打印技术用于新型膜技术和结构化吸附剂（尚进/杨哲/李文博）