



CALL FOR PAPERS

ICCAC 2022
Mar 08-09, 2022
Bangkok, Thailand

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICCAC 2022 : International Conference on Chemometrics in Analytical Chemistry is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Chemometrics in Analytical Chemistry. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Chemometrics in “omics” technologies
Genomics, transcriptomics, proteomics, metabolomics, metabonomics, evaluation of microarray data
Multivariate curve resolution and calibration
Multivariate calibration, theoretical aspects, self modeling curve resolution, alternative least squares, unmixing, new developments
Chemometrics in industry
Process analytical technologies, multivariate process control, process monitoring, experimental design, bilinear models, hard modeling, applications
Validation aspects
All aspect of model validations, handling uncertainty, cross validation, re-sampling techniques, permutation test, external validation

New algorithms and software development
Data mining, sequentially orthogonalized PLS, swarm intelligence, signal processing, Kernel methods, large data sets, missing data
Pattern recognition and classification
Artificial neural networks , classification and regression trees, N-way models, principal component analysis, partial least squares discriminant analysis, support vector machine, and their variants
Modeling and quantitative structure-activity relationships
Quantitative structure-property relationships, feature selection, topological descriptors, computer aided drug design, molecular modeling, high-throughput screening
Application of chemometrics to chromatography and spectroscopy
Column selection, peak alignment, resolution

