
Provisional Recommendations

IUBMB-IUPAC Joint Commission on Biochemical Nomenclature (JCBN)

Nomenclature of Lignans and Neolignans

Lignans and neolignans are a large group of natural products characterized by the coupling of two C_6C_3 units. For nomenclature purposes the C_6C_3 unit is treated as propylbenzene and numbered from 1 to 6 in the ring, starting from the propyl group, and with the propyl group numbered from 7 to 9, starting from the benzene ring. With the second C_6C_3 unit the numbers are primed. When the two C_6C_3 units are linked by a bond between positions 8 and 8' the compound is referred to and named as a lignan. In the absence of the C-8 to C-8' bond, and where the two C_6C_3 units are linked by a carbon-carbon bond it is referred to and named as a neolignan. The linkage with neolignans

may include C-8 or C-8'. Where there are no direct carbon-carbon bonds between the C_6C_3 units and they are linked by an ether oxygen atom the compound is named as an oxyneolignan. The nomenclature provides for the naming of additional rings and other modifications following standard organic nomenclature procedures for naming natural products. Provision is included to name the higher homologues. The sesquieneolignans have three C_6C_3 units and dineolignans have four C_6C_3 units.

Comments by 30 June 1999

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Conference Announcements

14th International Symposium on Plasma Chemistry (ISPC) 2-6 August 1999, Prague, Czech Republic

General Information

The ISPC is a biennial international conference, the last conference having been held in Beijing in 1997. The ISPC encompasses the whole area of plasma chemistry. Topics will range from the basic physics and chemistry of thermal and low-pressure plasmas to industrial processes, processing techniques, and equipment. The conference should enable the exchange of information and ideas between plasma chemistry basic/applied researchers and industrial practitioners of plasma-processing technology. The ISPC will consist of a five-day Symposium incorporating a Plasma Equipment Exhibition, preceded by a three-day Summer School on plasma chemistry and followed by a one-day Workshop on Industrial Applications of Plasma Processing.

Symposium

The 14th International Symposium on Plasma Chemistry will be held in Prague, capital of the Czech Re-

public, 2-6 August 1999. The Symposium will consist of plenary lectures covering the entire field, a series of parallel oral sessions (with invited and contributed papers), and poster sessions. The whole field of plasma chemistry and plasma processing, both in thermal and low-pressure plasmas, will be covered. The subjects will range from the fundamental studies of these plasmas to applications and engineering of plasma technologies.

Topics

The list of topics is preliminary; the final list will be given in the second announcement.

Basic physical and chemical processes in plasmas
Modelling and diagnostics of plasmas
Plasma generation
Plasma-particle interaction
Plasma-surface interaction
Plasma etching
Plasma CVD
Plasma synthesis
Plasma spraying
Plasma metallurgy
Environmental application
Industrial applications

Summer School

The International Summer School on Plasma Chemistry to be held prior to the Symposium, 29–31 July 1999, will consist of courses providing an introduction to the fundamentals of plasma chemistry and the applications of plasma processing. Two courses will be offered simultaneously, one on low-pressure nonequilibrium plasmas and the other on thermal plasmas. These courses are intended for students, scientists, engineers, and managers who want an introduction to, or overview of, the subject or better appreciation of the topics presented at the Symposium. There will be a separate registration fee for the Summer School.

Workshop

The workshop on Industrial Applications of Plasma Processing will be held following the Symposium, 6–7 August 1999.

The workshop will focus on recent industrial applications, developments, and concerns in thermal and low-pressure plasma processing. The workshop will enable the exchange of ideas between researchers, manufacturers, and end users. There will be a separate registration fee for the workshop.

Exhibition

A professional exhibition of equipment for plasma processing, diagnostics, instrumentation, etc. will be held during the Symposium. Firms interested in showing their products should contact the Local Organising Committee.

Venue

The Symposium Exhibition and Workshop will be held in the Congress Centre of the Prague Hilton Hotel situated just at the boundary of the old town. Accommodations will be available in the Hilton Hotel, at several hotels in the vicinity, and in student hostels.

6th International Conference on Methods and Applications of Fluorescence Spectroscopy (MAFS6), 12–15 September 1999, Paris, France

General Information

The 6th International Conference on Methods and Applications of Fluorescence Spectroscopy will be held in Paris, France, 12–15 September 1999. This Conference is organized in alternate years. The preceding conferences took place in Graz, Austria (1989 and 1991), Prague, Czech Republic (1993), Cambridge,

England (1995) and Berlin, Germany (1997).

This Conference aims at bringing together researchers working in various fields who employ fluorescence as a tool of investigation for both fundamental and applied purposes. Applications in chemistry, physics, biology, and medicine are covered.

The Conference will start on Sunday afternoon and end on Wednesday afternoon. The scientific program includes about 20 lectures and an extensive poster session, together with a commercial exhibition.

A guided visit of either the Louvre or Orsay Museums and a dinner during a boat cruise on the river Seine are planned in the social program.

List of Topics

Methods

- Fluorescent probes
- Time-resolved techniques
- Energy transfer
- Fluorescence depolarization
- Fluorescence microscopy
- Multiphoton excitation
- Single molecule detection
- Fluorescence correlation spectroscopy
- Near-field fluorescence spectroscopy

Applications

- Molecular and cellular biology
- Polymers
- Organized media
- Supramolecular systems
- Fluorescent sensors
- Clinical analysis
- Diagnostics
- Environment
- Imaging (biology, medicine)

Inquiries about MAFS6

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6th International Symposium on Hyphenated Techniques in Chromatography (HTC-6), 9–11 February 2000, The Saint John's Conference Centre, Bruges, Belgium

This international symposium will be supported by tutorials. The scientific program will comprise both oral and poster presentations. The deadline for submitting abstracts is 30 June 1999. Abstracts for last-minute poster presentations will be accepted up