

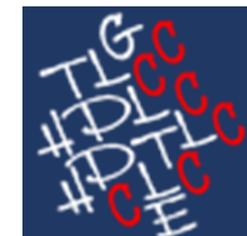


Particular emphasis to High Resolution Separation Technologies, either on 1D and 2D, using various forms of Detection and Mass Spectrometry from unit-mass to high resolution and from single to hybrid mass analyzers. Sample Preparation Methods for chromatographic analysis are also meeting targets



For updates consult

<http://11enc.eventos.chemistry.pt/>



Creating solutions



11^o CONGRESSO
NACIONAL
DE **CROMATOGRAFIA**

The national meeting on chromatography

Scientific Committee

Ana Costa Freitas (Universidade de Évora)
Ana Maria Loureiro da Seca (Universidade dos Açores)
António da Silva Ferreira (Universidade Católica, Porto)
Cristina Delerue Matos (Instituto Politécnico do Porto)
Cristina Maria Dias (Universidade de Évora)
Eduardo Mateus (Universidade Nova de Lisboa)
Fernanda Cosme (Universidade de Trás-os-Montes)
Fernando Nunes (Universidade de Trás-os-Montes)
Isabel C.F.R. Ferreira (Instituto Politécnico de Bragança)
João Queiroz (Universidade da Beira Interior)
José Câmara (Universidade da Madeira)
José Manuel F. Nogueira (Universidade de Lisboa)
José Maria Oliveira (Universidade do Minho)
José Oliveira Fernandes (Universidade do Porto)
José Paulo Silva (Universidade do Algarve)
Ligia Salgueiro (Universidade de Coimbra)
Manuel António Coimbra (Universidade de Aveiro)
Marcela Segundo (Universidade do Porto)
Marco Gomes da Silva (Universidade Nova de Lisboa)
Maria João Cabrita (Universidade de Évora)
Maria Rosário Bronze (Universidade de Lisboa)
Nuno Mateus (Universidade do Porto)
Sílvia M. Rocha (Universidade de Aveiro)

Organizing Committee

Eduardo Mateus (Universidade Nova de Lisboa)
José Manuel F. Nogueira (Universidade de Lisboa)
Marco Gomes da Silva (Universidade Nova de Lisboa)
Maria João Cabrita (Universidade de Évora)

Chairman

Marco Gomes da Silva (Universidade Nova de Lisboa)

Local Organization

Eduardo Mateus (Universidade Nova de Lisboa)
Flávia Freitas (Universidade Nova de Lisboa)
João Brinco (Universidade Nova de Lisboa)
Jorge Lampreia (Universidade Nova de Lisboa)
Marco Gomes da Silva (Universidade Nova de Lisboa)
Maria José Correia (Universidade Nova de Lisboa)
Nazaré Couto (Universidade Nova de Lisboa)
Paula Guedes (Universidade Nova de Lisboa)

Scientific Timetable

Short Courses, on hyphenated and multidimensional techniques, sample preparation and data treatment.

Saturday, Dec 7
 Sunday, Dec 8
 Wednesday, Dec. 11

11ENC
 Monday, Dec. 9,
 Tuesday, Dec. 10,
 Wednesday, Dec. 11

$$P_G = \frac{V_{R,Z} - V_{R,1}}{W_g} + 1 = \frac{\sqrt{N}}{4} \frac{V_G \ln(n\alpha)}{V_m m \Delta \psi (1+k_0)} + 1 \quad [2]$$

$$\log k_2 = \log \beta_2 - \frac{\log \alpha_2}{\log \alpha_1} \cdot \log \beta_1 +$$

$$n = \frac{\sqrt{N}}{4R} \cdot \ln\left(\frac{t_2}{t_1}\right) + 1 \quad \frac{\log \alpha_2}{\log \alpha_1} \cdot \log k_1 = a + b \cdot \log k_1$$

$$S = m \exp\left(-\frac{2m}{n}\right)$$

$$R = \sqrt{\frac{N}{4}} \left[\frac{\alpha-1}{\alpha} \right] \left[\frac{k_2}{k_2+1} \right]$$

$$P = \exp\left(-\frac{2m}{n}\right) \quad [6]$$

$$\log k_{2,A} = \log \beta_2 + n_A \cdot \log \alpha_{2,A} + n_B \cdot \log \alpha_{2,B}$$

$$n_{\text{total}} = n_A \times n_B$$

$$H = \frac{B}{u} + C_S u + C_M u = \frac{2D_M}{u} + \frac{(1+6k+11k^2) r_c^2}{24(1+k)^2 D_M} u + \frac{2k d_f^2}{3(1+k)^2 D_s} u$$

$$\beta = \frac{(r_c - d_f)^2}{2r_c d_f} \xrightarrow{r_c \gg d_f} \beta \approx \frac{r_c}{2d_f}$$

$$P = \frac{\sqrt{N}}{4} \ln\left(\frac{V_{R,Z}}{V_{R,1}}\right) + 1 = \frac{\sqrt{N}}{4} \ln\left(\frac{n \alpha k_1 + 1}{k_1 + 1}\right) + 1 \quad [1]$$

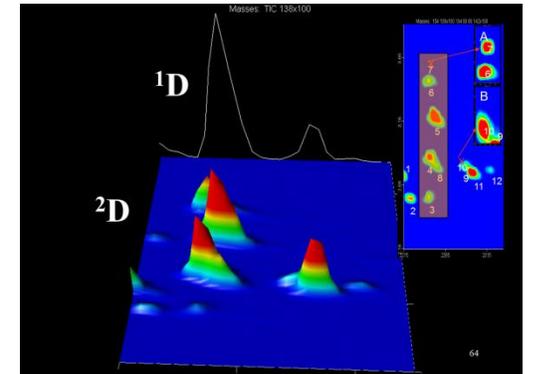
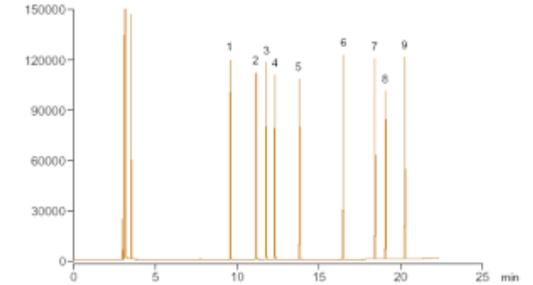


$$n_{\text{total}} = n_A + n_B$$

$$\log k = \log \beta + n \cdot \log \alpha \quad [4]$$

$$V'_R = K_C \cdot \frac{V_M}{\beta}$$

$$\log k_{1,A} = \log \beta_1 + n_A \cdot \log \alpha_{1,A} + n_B \cdot \log \alpha_{1,B} \quad [5]$$





Social Programm!!!

Monday, Dec 9, “Welcome Cocktail” - *Molecular Gastronomy Moments*

Local: Hotel Aldeia dos Capuchos

Tuesday, Dec 10, “Congress Dinner”

Local: **Quinta do Mira Tejo, Monte de Caparica**

The 11ENC organization will provide transportation from the venue to table and back.

Wednesday, Dec 11, “Farewell Cocktail”

Local: Hotel Aldeia dos Capuchos



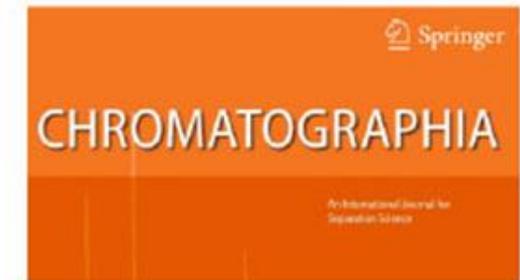
Scientific Program - Book of Abstracts in your 11ENC pen

Plenary Lectures by leading scientists in the field covering the latest developments

Oral communications by **young scientists**

Flash Oral Presentations by young scientists

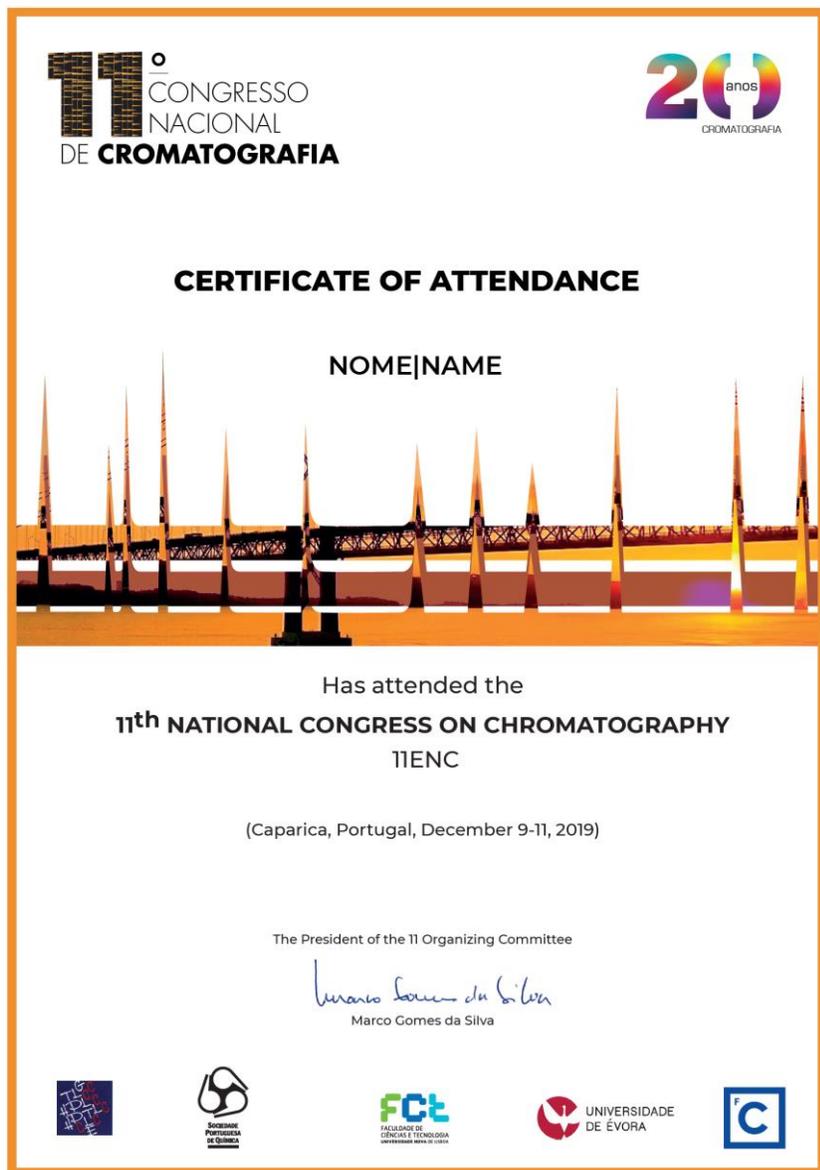
Contributed papers presented – Special issue on *Chromatographia*
(See the website for details)



Discussion sessions to stimulate intense scientific exchange

Workshop seminars presenting the latest developments in commercial instrumentations

Exhibition



11ENC Certificate



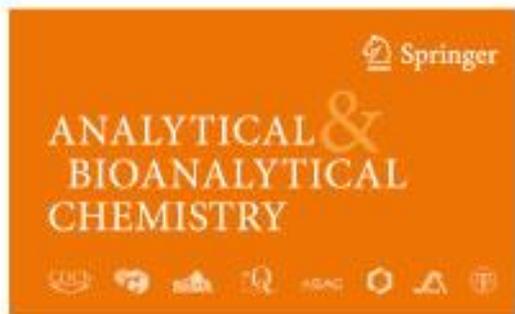
**Directly downloadable
from your personal
page at SPQ...up TODAY**



Communication Awards at the Closing Address of the 11ENC



Poster/Oral Awards



Analytical and Bioanalytical Chemistry is sponsoring Best Poster/Oral Awards

Two awards in the value of 100 € each, in form of a Springer book voucher.



Three (3) scholarships (one best poster and one best oral to young scientists consisting in the free registration to ISCC and GCxGC, including participation to short courses).

ISCC 2020, 44th International Symposium on Capillary Chromatography & 17th GCXGC Symposium, to be held on May 24-29, 2020 in Riva del Garda, Italy.

Poster/Oral Awards



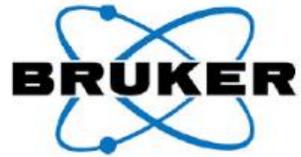
2 AWARDS as KIT Premium, containing:

A Vista Alegre piece for the lead Poster Author chosen, in a Kit that contains solar Powerbank units for each coauthor.
One Column HPLC Stage Accucore at choice
(2.1mmX100mmx2.6um) (Sales value 690 euros plus VAT)



1 AWARD of **100 €** in chromatographic consumables

Diamond Sponsor



Platinum Sponsor



Silver Sponsor



Bronze Sponsor



Other Valued Sponsors and Exhibitors



Gold Sponsor



Institutional Support Organization



ALMADA



11º CONGRESSO NACIONAL DE CROMATOGRAFIA

11 ENC is on the map



Visitors

 3,515	 69
 394	 65
 234	 63
 161	 55

Pageviews: 15,527

 **FLAG** counter

Bem-vindos!!!

20 anos
CROMATOGRÁFIA

Saturn

Mars

Venus

Regulus

11º CONGRESSO
NACIONAL
DE CROMATOGRÁFIA

#DITG
#DICC
#CICC