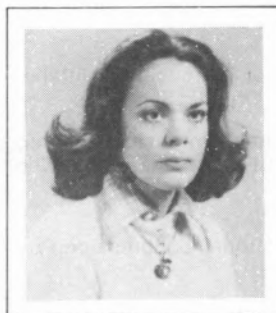


# CONGRESSOS E CONFERÊNCIAS NO ESTRANGEIRO



coordenação  
de M. Regina Tavares

## Novos anúncios complementares aos anteriores

<b>1980</b>					
<b>Maio</b>					
5 - 7	Paris (França)	14 <sup>th</sup> International Symposium on Atmospheric Pollution	14-15	Llandudno or Mid Wales (G. B.)	C. S. Summer Meeting
12-16	Adelaide (Austrália)	50 <sup>th</sup> Congress of the Australian and New Zealand Association for the Advancement of Science	19-20	Frankfurt (R.F.A.)	Annual Meeting of Dechema
12-14	Utreque (Holanda)	Management of Technology Ex- change	15-20	Madison (Wisc., USA)	3 <sup>rd</sup> IUPAC Symposium on Organic Synthesis
13-16	Utreque (Holanda)	Tech-transfair 80	23-27	Toronto (Canada)	10 <sup>th</sup> International Conference on Water Pollution Research
19-23	Rodez (França)	4 <sup>th</sup> EUCHEM Conference: «Organic and Organometallic Chemistry»	23-27	Birmingham (G. B.)	EUROCHEM 80 — Conference and Exhibition
20-24	Noordwij- kerhout (Holanda)	1 <sup>st</sup> FECHEM Conference on Hete- rocycles in Bio-Organic chemistry	23-28	Jerusalem (Israel)	6 <sup>th</sup> International Conference on the Origin of Life
27-30	Lago Balaton (Hungria)	4 <sup>th</sup> Symposium on Ion Exchange (FECS)	30-1/7	Tóquio (Japão)	3 <sup>rd</sup> World Hydrogen Energy Confe- rence
27-30	Hamburgo (R.F.A.)	2 <sup>nd</sup> Joint Conference «Conserving our Resources — The contribution of Chemical Technology	30-4/7	Cannes (França)	13 <sup>e</sup> Symposium International de Chromatographie
28-30	Dortmund (R.F.A.)	10 <sup>th</sup> Annual Symposium on the Analytical Chemistry of Pollulants	30-4/7	Cambridge (G. B.)	— Lactam Antibiotics (2 <sup>nd</sup> International Meeting)
<b>Junho</b>			<b>Julho</b>		
3- 5	Gent (Bélgica)	4 <sup>th</sup> International P.R.P. — Automa- tion Meeting	2- 4	Basileia (Suíça)	Symposium on Macrocyclic Li- gands
2- 6	Florença (Itália)	5 <sup>th</sup> International Symposium on So- lute-Solute-Solvent Interaction	6- 9	Montreal (Canada)	2 <sup>nd</sup> International Symposium on Drying
2- 6	Nápoles (Itália)	5 <sup>th</sup> International Conference on Zeolites (IUPAC)	6-12	Bayreuth (R.F.A.)	6 <sup>th</sup> International Conference on Thermal Analysis
3- 5	Amesterdão (Holanda)	Symposium on Particle Techno- logy	7-11	Sydney (Austrália)	10 <sup>th</sup> International Symposium on Carbohydrate Chemistry
8-13	Amesterdão (Holanda)	15 <sup>th</sup> Fatipecc Congress	7-11	Toulouse (França)	International Conference on Coordi- nation Chemistry
9-13	Strasbourg (França)	International Urethane Conference	10-11	Oxford (G. B.)	Bioelectrochemistry
10-13	Berlim (R.F.A.)	International Conference on «The Analysis of Non-Metals in Metals»	10-11	Leeds (G. B.)	Structure and Dynamics in Disper- sions of Interacting Colloidal Parti- cles
11-13	Cleveland, Ohio (U.S.A.)	International Symposium on the Statistical Mechanics of Phase Transitions in Polymers	13-19	Seefeld (Áustria)	8 <sup>th</sup> IUPAC Symposium on Photo- chemistry

<b>Julho</b>			1- 5	Varsóvia	5th Conference on Analytical chemistry (IUPAC)
14-17	Swansea (G. B.)	International Symposium «Metallo-Organic in Organic Synthesis»		(Polónia)	
21-25	St-Andrew (G. B.)	International Symposium «Stereo-electronic Effects in Organic Chemistry»	1- 6	Cracóvia (Polónia)	9th International Symposium on the Reactivity of Solids
			2- 5	Madrid (Espanha)	VII Symposium International de Chimie Thérapeutique
20-25	Strasbourg (França)	8th International Congress on Photobiology	2- 6	Oxford (G. B.)	Meeting to form part of MOLEC III. The Third European Study Conference on Molecular Low Energy
20-26	London (Ont., Canada)	6th International Fermentation Symposium	2- 5	Héviz (Hungria)	CHEMPLANT 80 — Symposium of the Working Party on Routine Calculations and use of Computers in Chemical Engineering
20-26	Univ. of Lancaster (G. B.)	SAC 80 — International Conference on Analytical Chemistry (IUPAC)	3- 5	Liverpool (G. B.)	Conférence européenne sur les mécanismes de polymérisation
21-25	Dortmund (R.F.A.)	3rd International Conference on Organometallic and Coordination Chemistry of Germanium, Tin and Lead (FECS)	3- 5	The University, Liverpool (G. B.)	Macromolecular Meeting
28-1/8	Nairobi (Quênia)	First International Chemistry Conference in Africa: «Chemistry in the Development and Environment of Africa»	6-1 2	Liège (Bélgica)	ISEC '80 — International Solvent Extraction Conference
—	Heriot-Watt University, Edinburg (G. B.)	21st Meeting of the Mossbauer Spectroscopy Discussion Group	7-11	Sheffield (G. B.)	International Conference on Coal as a Feedstock for the Chemical Industry
			7-12	Florença (Itália)	IUPAC International Symposium on Macromolecules
<b>Agosto</b>			8-10	Oxford (G. B.)	General Discussion of Photoelectrochemistry
10-15	Cleveland (Ohio, USA)	IIIe Symposium International sur le PVC	8-12	Munich (R.F.A.)	11th World Energy Conference
17-22	Santa Cruz (Ca., USA)	5th IUPAC Conference on Physical Organic Chemistry	10-16	Moscovo (U.R.S.S.)	6e Conférence internationale sur la croissance des cristaux
17-22	Brighton (G. B.)	6th International Histochemistry and Cytochemistry Congress	15-16	Trinity Hall, Cambridge (G. B.)	The Physical Chemistry of Microemulsions
18-22	Brighton (G. B.)	MICRO — 80	15-17	Nothingham (G. B.)	Symposium «Achieving Success in International Projects»
18-22	Leeds (G. B.)	International Conference on the Physics of Transition Metals	15-18	The University, Birmingham (G. B.)	2nd BOC Priestley Conference
24-29	San Francisco (Ca., USA)	2nd Chemical Congress of the North American Continent	15-19	Basileia (Suíça)	3rd International Symposium on Loss Prevention and Safety Promotion in the Process Industry
24-29	Boulder (Col., USA)	Symposium on Ozone	15-19	Pádua (Itália)	7th European Symposium on Fluorine Chemistry
24-29	Jerusalem (Israel)	13th Meeting of the Federation of European Biochemical Societies	15-19	Ferrara (Itália)	5e Symposium européen sur les inhibiteurs de corrosion
25-29	Praga (Checosl.)	Congrès de Polarographie (Memorial J. Heyrowsky)	15-20	Karlovy Vary (Checosl.)	7th Discussion Conference on Polymer Network (IUPAC)
25-30	Graz (Áustria)	8th International Microchemical Symposium «Nature, Aim and Methods of Microchemistry»	16-18	Edimburgo (G. B.)	Conférence: «Non Aqueous Colloidal Dispersion»
26-29	Merseburg (R.D.A.)	6th International Conference on Thermodynamic	17-21	Canterbury (G. B.)	3rd Europhysics topical conference on Lattice Defects in Ionic Crystals
26-29	Paris (França)	3e Conférence Internationale sur les Matériaux Composites	16-19	Bruxelas (Bélgica)	3rd International Symposium on Marine Natural Products
<b>Setembro</b>			21-27	Tenerife (Espanha)	12th IUPAC International Symposium on the Chemistry of Natural Products
1- 3	Dusseldorf (R.F.A.)	2nd International Symposium on Homogeneous Catalysis (FECS)			

18-19	Bruges (Bélgica)	Recent developments in filtermedia and their applications	1981 Março		
23-24	Loughborough University of Technology (G. B.)	Fundamentals of Electroplating and Metal Finishing	10-13	Birmingham (G. B.)	POWECH Conference 81 (Symposium)
			29-3/4	Atlanta/Georgia (USA)	ACS Spring-Meeting (Mass Transfer with Chemical Reaction in Two-Phase Systems)
22-25	University College, Cardiff (G. B.)	C. S. Autumn Meeting: The Role of Electrons in the Study of solids	30-3/4	The University, Nottingham (G. B.)	E S R
22-25	Veneza (Itália)	11th Congress on Cosmetic Research and Technology	28-4/4	Edimburgo (Escócia)	14th FEBS MEETING
22-26	Cannes (França)	8th International Vacuum Congress 4th International Conference on Solid Surfaces	30-5/4	Berlim (R.F.A.)	Wasser Berlin 81
22-26	Karlovy Vary (Checosl.)	21st Prague Microsymposium on Ring-Opening Polymerization of Heterocycles (IUPAC)	Spring	University of Bristol (G. B.)	General Discussion: Very High Resolution Molecular Spectroscopy
22-26	França	European Conference on Chemical Pathways in the Environment. (FECS)	Abril		
			7- 9	The University, Surrey (G. B.)	Annual Chemical Congress
23-25	Londres (G. B.)	1ère Conférence Internationale sur la Surveillance en ligne et le contrôle de sécurité des ateliers — ICOSM 80	13-15	Heriot-Watt University, Edimburgo (G. B.)	Spring Meeting
23-27	Amesterdão (Holanda)	7th International Symposium «Fresh Water from the Sea»	Maio		
30-3/10	Grasse (França)	8e Congrès International des Huiles essentielles	6- 8	Nuremberga (R.F.A.)	3rd International Symposium Agglomeration (F.E.G.C.)
Outubro					
1- 3	Strasbourg (França)	Jahrestreffen 1980 der Verfahrens Ingenieure	24-28	Basileia (Suíça)	18e Didactica (foire internationale du matériel didactique)
1- 3	Sevilha (Espanha)	VII Convención de la Industria Química	25-27	Groningen (Holanda)	Relations between homogeneous and heterogenous catalysis
13-17	Amesterdão (Holanda)	2nd International Conference of Scientific Editors	Julho		
			5-10	Israel (Jerusalem)	4th International Conference on Surface and Colloid Science
13-17	Bournemouth (G. B.)	International Conference on Water Chemistry of Nuclear Reactor Systems	6- 9	Strasbourg (França)	27th International Symposium on Macromolecules (IUPAC)
19-22	Edmonton, Alberta (Canada)	30th Canadian Chemical Engineering Conference	12-17	Exeter (G. B.)	5th International Meeting on NMR Spectroscopy
29	York (G. B.)	Symposium: Modern Radiochemical Practice	19-24	Bristol (G. B.)	International Conference on the Chemistry of Platinum Group Metals
Dezembro			20-23	Oxford (G. B.)	7th International Symposium on Synthesis of Organic Chemistry
16-17	University of Sussex, Brighton (G. B.)	Symposium: Chromatography, Equilibria and Kinetics	Agosto		
			16-22	Vancouver (Canadá)	28th Congress International Union of Pure and Applied Chemistry
18-19	York (G. B.)	Nitrogen and Sulphur Cycles in Biology	23-28	New York City (USA)	ACS Fall meeting
19-20	York (G. B.)	12th Meeting of the Inorganic Reaction Mechanisms Group	23-28	Helsínquia (Finlândia)	EUROANALYSIS IV (FECS)
			30-4/9	Jerusalem (Israel)	4th International Symposium on Chemistry of Nonbenzoid aromatic compounds (IUPAC)

30-5/9	Viena (Áustria)	XI International Congress of Clinical Chemistry	14-16	University of Nottingham (G. B.)	General Discussion: Selectivity in Heterogeneous Catalysis
31-4/8	Praga (Checosl.)	7 <sup>th</sup> Congress CHISA	28-30	Budapeste (Hungria)	VIII <sup>th</sup> Symposium Industrial Crystallization
<b>Setembro</b>					
6-11	Mainz	8 <sup>th</sup> International Congress on metallic corrosion — 7 <sup>th</sup> Congress of the European Federation of Corrosion	<b>Outubro</b>		
7-10	University College of North Wales, Bangor (G. B.)	Structure and Reactivity of Carbocations	4-9	Montreal (Canadá)	2 <sup>nd</sup> World Congress on Chemical Engineering and World Chemical Exposition

# CONFERÊNCIA INTERNACIONAL SOBRE EDUCAÇÃO EM QUÍMICA

Dublin, 27-31 de Agosto de 79

**Tema: O ensino da Química — Intervenção entre os níveis secundário e terciário**

A Dublin, cidade dos congressos, deslocaram-se cerca de 400 professores dos ensinos secundário e terciário provenientes de 57 países para participarem numa conferência internacional cujo tema foi 'O ensino da Química — intervenção entre os níveis secundário e terciário'.

Em cada dia da conferência houve um assunto principal apresentado sob dois pontos de vista, o do ensino secundário e o do ensino terciário. Seguidamente, em grupos de cerca de 20 participantes, discutia-se o assunto do dia, durante o resto da manhã, e as conclusões destas discussões foram apresentadas no fim do dia em sessão plenária. Além disso, os assuntos focados em algumas das conferências plenárias foram discutidos numa base regional (África, Ásia, Europa de expressão francesa, resto da Europa, continente norte-americano, continente sul-americano).

A conferência foi ainda preenchida com três sessões de posters em 3 tardes, nas quais foram expostos cerca de 90 posters.

## 1 — Que química precisam os químicos e os cidadãos (em geral)?

O Dr. Stig Anderson, director da Katedraesko-la em Lund, na Suécia, considera que actualmente uma pessoa culta deve ter um conhecimento de ciências, incluindo conhecimentos de Química. Apesar disto, nota-se nos últimos anos, em muitos países, que o interesse dos alunos por estudos de Química diminuiu.

O conferencista considera essencial, para que o ensino da química seja estimulante para os alunos e lhes proporcione conhecimentos do assunto o seguinte: