

# Curriculum Vitae Ramón Martínez Máñez

## Personal Information

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**BIRTHDATE** April, 1963 **NATIONALITY** Spanish

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**Current Activities:** Full Professor, Department of Chemistry, Polytechnic University of Valencia (since April 2002). Director of the “Centro de Reconocimiento Molecular y Desarrollo Tecnológico” (IDM) at the Polytechnic University of Valencia.

## 1.- EDUCATIONAL AND PROFESSIONAL CAREER

- Chemistry studies at the University of Valencia (1981-1986)
- PhD in the University of Valencia under the supervision of Prof. Pascual Lauerta on cyclometallated rhodium complexes (1990)
- Short stays (three months) in the University of Parma (Italy) and in the University of Oxford
- Postdoctoral position at the University of Cambridge (UK) under the supervision of Prof. E.C. Constable working on redox active supramolecular helicands using polypyridines as ligands and different transition metals (1993-1994).
- Assistant professor at the Department of Chemistry at the Polytechnic University of Valencia.
- Lecturer at the Department of Chemistry at the Polytechnic University of Valencia.
- Full Professor of Inorganic Chemistry at the Department of Chemistry, at the Polytechnic University of Valencia since 2002 (the candidate was only 39 years old when became professor).
- Director of the “Centro de Reconocimiento Molecular y Desarrollo Tecnológico (IDM). This is the first inter-university research institute between the Polytechnic University of Valencia and the University of Valencia.

## 2. TEACHING ACTIVITY

- Wide experience in teaching for more than 20 years in a number of subjects in different degrees and courses. Teaching activities in five different Engineering Faculties; i.e. Escuela Técnica Superior de Ingenieros de Telecomunicación, Escuela Técnica Superior de Ingenieros Industriales, Escuela Técnica Superior de Ingenieros Agrónomos, Escuela Técnica Superior de Gestión en la Edificación and Escuela Técnica Superior de Ingeniería del Diseño.
- The teaching activities involve from general chemistry to advanced inorganic, materials chemistry subjects, solid state characterization, supramolecular chemistry, sensing chemistry, electrochemical and optical sensors, etc.

- The candidate has also supervised a number of research projects to students in the last year of their degree.
- External reviewer and examiner of a number of PhD theses and disputations.

### **3. RESEARCH INTEREST**

Development of chemosensors and probes. The area of chemosensing deals with the design of molecular entities which are able to modify an easy-to-detect signal upon coordination/recognition of a target guest. This has become in the last years one of the most active research areas within the field of supramolecular chemistry. We have developed pioneering work in this research field, specially designing chromo-fluorogenic probes for cations, anions and neutral species. We are also interested in the design of new signaling paradigms using advanced supramolecular concepts.

Development of functional hybrid materials. The wise combination of suitable nanoscopic solid supports and molecular/ supramolecular concepts is resulting in the development of hybrid materials that is providing a means of bridging the gap between molecules, materials sciences and nanotechnology. We are interested in demonstrate that functionalized hybrid materials can play an active role in recognition processes and that they can be useful for the development of new smart hybrid supports. We are especially interested in the development of new nanoscopic hybrid solids for sensing and in the design of gated materials for on-command delivery applications.

### **4. PUBLICATIONS**

Co-author of over 200 research publications in SCI journals (more than 50 in interdisciplinary journals such as J. Am. Chem. Soc, Angew. Chem. Int. Ed, Chem. Eur.J., Chem. Commun.).

- Times cited: Over 6900 times cited. More than 30 citations per item. Growing number of citations to papers in the last years pointing towards the increasing scientific impact of his work. For instance; year 2006 (557 times cited), year 2007 (608 times cited), year 2008 (801 times cited), year 2009 (890 times cited), year 2010 (1040 times cited), year 2011 (1152 times cited). h index = 42.

- Among the 15 most cited Spanish authors in Chemistry in the last ten years.

- Author of the most cited paper written by Spanish authors in Chemistry in the last ten years (more than 1300 times cited).

Selected papers (last five years):

- C. Coll, R. Martínez-Máñez, M.D. Marcos, F. Sancenón, J. Soto, “A new approach for the selective and sensitive colorimetric detection of anionic surfactants in water”, *Angew. Chem. Int. Ed.*, **2007**, *46*, 1675.
- C. Coll, R. Casasús, E. Aznar, M.D: Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, P. Amorós, “Nanosopic hybrid Systems with a polarity-controlled gate-like scaffolding for the colorimetric signalling of long-chain carboxylates”, *Chem. Commun.*, **2007**, 1957.
- E. Aznar, R. Casasús, B. García-Acosta, M.D. Marcos, R. Martínez-Máñez, F Sancenón, J. Soto, P. Amorós, “Photochemical and chemical two-channel control of functional nanogated hybrid architectures”, *Adv. Mater*, **2007**, *19*, 2228.
- S. Royo, R. Martínez-Máñez, F. Sancenón, A.M. Costero, M. Parra, S. Gil, “Chromogenic and fluorogenic reagents for chemical warfare nerve agents’ detection”, *Chem. Commun*, **2007**, 4839.

- R. Casasús, E. Climent, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, P. Amorós, J. Cano, E. Ruiz, “Dual aperture control on pH- and anion-driven supramolecular nanoscopic gate-like ensembles”, *J. Am. Chem. Soc.* **2008**, *130*, 1903.
- P. Calero, E. Aznar, J.M. Lloris, M.D. Marcos, R. Martínez-Máñez, J.V. Ros-Lis, J. Soto, F. Sancenón, “Chromogenic silica nanoparticles for the colorimetric sensing of long-chain carboxylates”, *Chem. Commun.* **2008**, 1668.
- M. Comes, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, L.A. Villaescusa, P. Amorós, “Hybrid materials with nanoscopic anion-binding pockets for the colorimetric sensing of phosphate in water using displacement assays”, *Chem. Commun.*, **2008**, 3639.
- J.V. Ros-Lis, R. Casasús, M. Comes, C. Coll, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, P. Amorós, J. El Haskouri, N. Garró, K. Rurack, “A mesoporous 3D hybrid material with dual functionality for Hg<sup>2+</sup> detection and adsorption”, *Chem. Eur. J.*, **2008**, *14*, 8267.
- J.V. Ros-Lis, R. Martínez-Máñez, F. Sancenón, J. Soto, M. Spieles, K. Rurack, “Squaraines as reporter units: Insights into their photophysical, protonation and metal-ion coordination behaviour”, *Chem. Eur. J.*, **2008**, *14*, 10101.
- A.M. Costero, S. Gil, M. Parra, P.M.E. Mancini, R. Martínez-Máñez, F. Sancenón, S. Royo, “Chromogenic detection of nerve agent mimics”, *Chem. Commun.*, **2008**, 6002.
- E. Climent, R. Casasús, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, “Chromofluorogenic sensing of pyrophosphate in aqueous media using silica functionalised with binding and reactive units”, *Chem. Commun.*, **2008**, 6531.
- E. Climent, P. Calero, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, “Selective chromofluorogenic sensing of heparin by using functionalised silica nanoparticles containing binding sites and a signalling reporter”, *Chem. Eur. J.*, **2009**, *15*, 1816.
- E. Aznar, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, P. Amorós, C. Guillem, “pH and photo-switched release of guest molecules from mesoporous silica supports”, *J. Am. Chem. Soc.*, **2009**, *131*, 6833.
- E. Aznar, C. Coll, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, P. Amorós, J. Cano, E. Ruiz, “Borate-driven gate-like scaffolding using mesoporous materials functionalised with saccharides” *Chem. Eur. J.*, **2009**, *15*, 6877.
- A. Bernardos, E. Aznar, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, M. Barat, P. Amorós, “Enzyme-responsive controlled release using mesoporous silica supports capped with lactose”, *Angew. Chem. Int. Ed.*, **2009**, *48*, 5884.
- M. Comes, E. Aznar, M. Moragues, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, L.A. Villaescusa, L. Gil, P. Amorós. ” Mesoporous hybrid materials containing nanoscopic ”binding pockets” for colorimetric anion signalling in water using displacement assays”, *Chem. Eur. J.*, **2009**, *15*, 9024.
- E. Climent, E. Bernardos, R. Martínez-Máñez, A. Maquieira, M.D. Marcos, N. Pastor-Navarro, R. Puchades, F. Sancenón, J. Soto, P. Amorós, “Controlled delivery systems using antibody-capped mesoporous nanocontainers”, *J. Am. Chem. Soc.*, **2009**, *131*, 14075.
- E. Climent, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, K. Rurack, P. Amorós, “The determination of methylmercury in real samples using organically capped mesoporous inorganic materials capable of signalling amplification”, *Angew. Chem. Int. Ed.*, **2009**, *48*, 8519.

- J. Esteban, J.V. Ros-Lis, R. Martínez-Máñez, M.D. Marcos, M. Moragues, J. Soto, F. Sancenón, “Sensitive and selective chromogenic sensing of carbon monoxide by using binuclear rhodium complexes”, *Angew. Chem., Int. Ed.*, **2010**, *49*, 4934.
- A.M. Costero, M. Parra, S. Gil, R. Gotor, P.M.E. Mancini, R. Martínez-Máñez, F. Sancenón, S. Royo “Chromo-fluorogenic detection of nerve-agent mimics using triggered cyclization reactions in push-pull dyes”, *Chem. Asian. J.* **2010**, *5*, 1573.
- E. Climent, A. Marti, S. Royo, R. Martínez-Máñez, M.D. Marcos, F. Sancenón, J. Soto, A.M. Costero, S. Gil, M. Parra, “Chromogenic Detection of Nerve Agent Mimics by Mass Transport Control at the Surface of Bifunctionalized Silica Nanoparticles”, *Angew. Chem. Int. Ed.*, **2010**, *49*, 5945.
- C. Coll, E. Aznar, R. Martínez-Máñez, M.D. Marcos, F. Sancenón, J. Soto, J. Amorós, J. Cano, E. Ruiz, “Fatty Acid Carboxylate- and Anionic Surfactant-Controlled Delivery Systems That Use Mesoporous Silica Supports”, *Chem. Eur. J.*, **2010**, *16*, 10048.
- E. Climent, R. Martínez-Máñez, F. Sancenón, M.D. Marcos, J. Soto, A. Maquieira, P. Amorós, “Controlled Delivery Using Oligonucleotide-Capped Mesoporous Silica Nanoparticles”, *Angew. Chem. Int. Ed.*, **2010**, *49*, 7281.
- E. Bernardos, L. Mondragón, E. Aznar, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, J.M. Barat, E. Pérez-Payá, C. Guillem, P. Amorós, “Enzyme-responsive intracellular controlled release using Nanometric silica mesoporous supports capped with “saccharides””, *ACS Nano*, **2010**, *4*, 6353.
- C. Coll, L. Mondragon, R. Martínez-Máñez, F. Sancenón, M.D. Marcos, J. Soto, P. Amorós, E. Pérez-Payá, “Enzyme-mediated controlled release systems by anchoring peptide sequences on mesoporous silica supports”, *Angew. Chem. Int. Ed.*, **2011**, *50*, 2138.
- E. Climent, C. Gimenez, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, “Selective and sensitive chromo-fluorogenic sensing of anionic surfactants in water using functionalized silica nanoparticles”, *Chem. Commun.*, **2011**, *47*, 6873.
- P. Calero, M. Hecht, R. Martínez-Máñez, F. Sancenón, J. Soto, J.L. Vivancos, K. Rurack. “Silica nanoparticles functionalised with cation coordination sites and fluorophores for the differential sensing of anions in a quencher displacement assay (QDA)” *Chem. Commun.*, **2011**, *47*, 10599.
- M.E. Moragues, J. Esteban, J.V. Ros-Lis, R. Martínez-Máñez, M.D. Marcos, M. Martínez, J. Soto, F. Sancenón, “Sensitive and Selective Chromogenic Sensing of Carbon Monoxide via Reversible Axial CO Coordination in Binuclear Rhodium Complexes”, *J. Am. Chem. Soc.*, **2011**, *133*, 15762
- S. Royo, A.M. Costero, M. Parra, S. Gil, R. Martínez-Máñez, F. Sancenón, “Chromogenic, specific detection of the nerve-agent mimic DCNP (a Tabun mimic)”, *Chem. Eur. J.*, **2011**, *17*, 6931.
- I. Candel, A. Bernardos, E. Climent, M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, A. Costero, S. Gil, M. Parra, “Selective opening of nanoscopic capped mesoporous inorganic materials with nerve agent simulants; an application to design chromo-fluorogenic probes”, *Chem. Commun.*, **2011**, *47*, 8313.
- Y. Salinas, E. Climent, R. Martínez-Máñez, F. Sancenón, M.D. Marcos, J. Soto, A.M. Costero, S. Gil, M. Parra, A. Pérez de Diego, “Highly selective and sensitive chromo-fluorogenic detection of the Tetryl explosive using functional silica nanoparticles”, *Chem. Commun.*, **2011**, *47*, 11885.
- E. Aznar, L. Mondragón, J.V. Ros-Lis, F. Sancenón, M.D. Marcos, R. Martínez-Máñez, J. Soto, E. Pérez-Payá, P. Amorós, “Finely tuned temperature-controlled cargo release using paraffin-capped mesoporous silica nanoparticles”, *Angew. Chem. Int. Ed.*, **2011**, *50*, 11172.

- R. Gotor, A.M. Costero, S. Gil, M. Parra, R. Martínez-Máñez, F. Sancenón, “A molecular probe for the highly selective chromogenic detection of DFP, a mimic of Sarin and Soman nerve agents”, *Chem. Eur. J.*, **2011**, *17*, 11994.
- A. Barba-Bon, A.M. Costero, S. Gil, M. Parra, J. Soto, R. Martínez-Máñez, F. Sancenón, “A new selective fluorogenic probe for trivalent cations”, *Chem. Commun.*, **2012**, *48*, 3000.
- A. Barba-Bona, A.M. Costero, M. Parra, S. Gil, R. Martínez-Máñez, F. Sancenón, P.A. Gale, J.R. Hiscockd, “Neutral 1,3-Diindolyureas for Nerve Agent Remediation”, *Chem. Commun.*, in press.

## **5. BOOK CHAPTERS** (last five years)

- Rurack, K.; Martínez-Máñez, R., “Functional supramolecular hybrid materials”, in: *Nanomaterials: Inorganic and Bioinorganic Perspectives*, Lukehart, C. M., Scott, R. A. (Eds.); J. Wiley & Sons, Ltd.: Chichester, 2nd Ed., **2008**, 789–812.
- Rurack, K.; Martínez-Máñez, R., “Biomimetic chemistry of hybrid materials”, in: *Nanomaterials: Inorganic and Bioinorganic Perspectives*, Lukehart, C. M., Scott, R. A. (Eds.); J. Wiley & Sons, Ltd.: Chichester, 2nd Ed., **2008**, 31–50.
- Rurack, K.; Martínez-Máñez, R., "Functional Supramolecular Hybrid Materials", in *Encyclopedia of Inorganic Chemistry*, Crabtree, R. H. (Ed.) John Wiley: Chichester. DOI: 10.1002/0470862106.ia400. Published 15 March **2009**.
- Rurack, K.; Martínez-Máñez, R., "Biomimetic Chemistry of Hybrid Materials", in *Encyclopedia of Inorganic Chemistry*, Crabtree, R. H. (Ed.) John Wiley: Chichester. DOI: 10.1002/0470862106.ia420. Published 15 March **2009**.
- Martínez-Máñez, R.; Sancenón, F.; Descalzo, A. B.; Rurack, K., “Supramolecular hybrid materials - integrating functionality with sensing”, in: *Macromolecules Containing Metal and Metal-Like Elements, Vol. 9, Inorganic Supramolecules*. Pittman, Jr, C. U., Abd-El-Aziz, A. S., Carraher, Jr., C. E., Zeldin, M. (Eds.); J. Wiley & Sons, Ltd.: Chichester, **2009**, 369-405.
- Rurack, K.; Martínez-Máñez, R.; Sancenón, F.; Descalzo, A. B., “Hybrid (Nano)Materials Meet Supramolecular Chemistry: A Brief Introduction to Basic Terms and Concepts”, in: *The Supramolecular Chemistry of Organic-Inorganic Hybrid Materials*. Rurack, K., Martínez- Máñez, R. (Eds.); J. Wiley & Sons, Inc.: Hoboken, **2010**, 1-10.
- Rurack, K.; Martínez-Máñez, R.; Sancenón, F.; Descalzo, A. B., “Biomimetically Inspired Signaling”, in: *The Supramolecular Chemistry of Organic-Inorganic Hybrid Materials*. Rurack, K., Martínez- Máñez, R. (Eds.); J. Wiley & Sons, Inc.: Hoboken, **2010**, 549-580.
- Rurack, K.; Martínez-Máñez, R.; Sancenón, F.; Descalzo, A. B., “Supramolecular Chemistry Meets Hybrid (Nano)Materials: A Brief Look Ahead”, in: *The Supramolecular Chemistry of Organic-Inorganic Hybrid Materials*. Rurack, K., Martínez- Máñez, R. (Eds.); J. Wiley & Sons, Inc.: Hoboken, **2010**, 689-700.
- M. Biyikal, M. Hecht, R. Martínez-Máñez, K. Rurack, F. Sancenón, “Supramolecular hybrid nanomaterials as prospective sensing platforms”, in: *Supramolecular Chemistry: From Molecules to Nanomaterials*. P. A. Gale, J. W. Steed (Eds.); J. Wiley & Sons: Chichester, Vol. 6, Section 10 Nanotechnology, **2011**, 3669-3697.

## **6. EDITED BOOKS** (last five years)

- *The Supramolecular Chemistry of Organic-Inorganic Hybrid Materials*. Rurack, K., Martínez-Máñez, R. (Eds.); J. Wiley & Sons, Inc.: Hoboken, **2010**.

### **7. PATENTS** (last five years)

- R. Martínez-Máñez, J. Soto, F. Sancenón, J.V. Ros-Lis, J. Esteban, “Method for the detection of carbón monoxide”, P2010000519
- E. Climent. M.D. Marcos, R. Martínez-Máñez, F. Sancenón, J. Soto, “Controlled delivery system using oligonucleotides”, P201000900

### **8. RESEARCH PROJECTS** (last five years)

Participation in over 22 research projects.

Selected projects as project leader (last five years):

- “Preparation of new coloured substances (nano-pigments) via incorporation of dyes into nanometric inorganic materials” Ministerio de Ciencia y Tecnología Fomento a la Investigación Técnica”. CIT-420000-2005-4. January 2005 – January 2007.
- “Development of new chromo-fluorogenic recognition protocols via the use of advanced sensory materials”. Ministerio de Educación y Ciencia. CTQ2006-15456-C04-01. October 2006 – September 2009
- PROMETEO/2009/016. Coordinator of the project. Project for groups of excellence of the Generalitat Valenciana. Since 2009
- Project CB07/01/2012. Instituto de Salud Carlos III. Centre of Biochemical Research in Bio-engineering, Bio-materials and Nano-medicine (CIBER BBN). Since 2009
- “Hybrid nanomaterials for the development of molecular gates applied to the recognition protocols and therapeutics and for the detection of explosives”. MAT2009-14564-C04-01. January 2010 – December 2012.

### **9. THESIS SUPERVISED** (last five years)

- “Synthesis of chromogenic and fluorogenic receptors fro the detection of ions and neural species.” PhD student: Beatriz García Acosta. Year: 2007
- “Design and characterization of solid state chemical sensors. Application of theoretical models for the study of interferences”. PhD student: Roberto Hanoi Labrador Montero. Year: 2008
- “Design of molecular gates controlled at nanoscopic level”. PhD student: Rosa Casasús Lis. Year 2009
- “Development of a system for the measurement of physicochemical parameters in food”. PhD student: Rafael Masot Peris. Year 2010
- “Surfaces chemically modified for the colorimetric detection and the removal of anions of environmental interest in water”, PhD student: María del Carmen Coll Merino. Year 2010
- “Design of nanostructures materials using molecular recognition schemes for the control of mass transport”. PhD student: Elena Aznar Gimeno. Year 2011.
- “Development and synthesis of hybrid materials for the controlled delivery of bio-active molecules”. PhD student: Andrea Bernardos Bau. Year 2011.

- “Chromo-fluorogenic sensors for hazard compounds”. PhD student: Santiago Royo Calvo. Year 2011.

#### **10. ORAL PRESENTATIONS** (last five years)

- *Sólidos híbridos en procesos de reconocimiento molecular*. Seminarios del Departamento de Química Inorgánica. Barcelona, Febrero, 2007.
- *Hybrid solids for molecular recognition*, ICIQ Seminar Program, June 2008, Tarragona.
- *Puertas Supramoleculares en Materiales IV Reunión Químico-Orgánica del Mediterráneo* October 2008, Gerona.
- *Puertas moleculares nanoscópicas. Posibles aplicaciones analíticas*. III Workshop on Analytical Nanoscience and Nanotechnology”, September 2009, Oviedo.
- *Puertas moleculares sobre materiales híbridos*. Instituto de Nanociencia de Aragón (INA) Seminar Program, September 2010, Zaragoza.
- *Reconocimiento molecular y sensores* (plenary lecture). XII Escuela Nacional de Materiales Moleculares, February 2011, Benicassim, Castellón.
- *Molecular Recognition and Chromogenic Probes*. Physical-Chemistry Department Seminar Program, April 2011, Vigo.
- *Molecular Recognition and Chromogenic Probes* (plenary lecture). One day meeting on chemistry, November 2011, Murcia.
- *Molecular Gates*. Seminars in CicBiomaGune, Noviembre-2011. San Sebastian.
- *Puertas Moleculares*. XIII Escuela Nacional de Materiales Moleculares, El Escorial. Febrero 2012, Madrid.
- *Gated materials in delivery applications*. NanoSpain2012. Marzo 2012, Santander.
- *Advanced sensing Materials* (plenary lecture). Eurotrode XI, Abril 2012, Barcelona
- *Gated mesoporous materials in delivery and sensing applications* (plenary lecture). Areces Symposium. Drugs, Nanomedicine and Biomaterials: A common goal. Abril 2012. Madrid

#### **11. OTHER ACHIEVEMENTS** (last five years)

- Expert for the evaluation of National Research Projects in the area of Materials for the MICINN. Year 2010.
- Director of the “Centro de Reconocimiento Molecular y Desarrollo Tecnológico” (IDM).
- Director of research group of the Centro de Investigación Biomédica en Red. Bioingeniería, Biomateriales y Nanomedicina (CIBER BBN).
- Director of the Project PROMETEO for groups of excellence funded by Generalitat Valenciana.
- Selected by the journal *Angewandte Chemie* for the inclusion in the “Authors Profile” for the publication of more than 10 papers in the last ten years. This was the first “Authors Profile” for a Spanish researcher.
- Referee award of *Angew Chem* (in years 2009, 2010 and 2011)
- Co-Chairman of the journal *ChemistryOpen* edited by Wiley

- Member of the American Chemical Society
- Member of the Real Sociedad Española de Química
- Academic Director of the International Master Erasmus Mundus in Materials and Sensor Systems for Environmental Technologies.
- Referee of a number of National Projects
- Evaluator of International projects from Israel, USA, Argentina and France.
- Referee of the journals: Angew. Chem. Int. Ed., J. Am. Chem. Soc, Chem. Eur. J., Chem. Commun., Acta Biomaterialia, Advanced Materials, Advanced Functional Materials, Agr. Food. Chem., Anal. Bioanal. Chem., Anal. Chem., Anal. Chim. Acta, Anal Lett., Chem. Rev., Chem. Mater., Chem. Papers, Chem. Res. Tox., Can. J. Chem., Chem. Soc. Rev., Coord. Chem. Rev., Dalton, Dyes&Pigments, Eur. J. Inorg. Chem, Eur. J. Org. Chem., Inorg. Chem., Inorg. Chem. Commun., Inorg. Chim. Acta, J. Organomet. Chem., J. Org. Chem., Chem. Asian. J., Chem. Phys. J. Phys. Chem., J. Apply. Polymer Sci., J. Coord. Chem., J. Electroanal. Chem, J. Organomet. Chem., J. Mat. Chem., J. Phys. Org. Chem., J. of Luminescence, J. of Fluorescence, J. Solid. State. Chem., Langmuir, Lett. Org. Chem., Macromol Chem. Phys., Macromol. Rapid. Commun., Mat. Chem. Phys., Microporous&Mesoporous Mat., New. J. Chem., OBC, Optical Materials, Org. Lett., Photochem. Photobiol., Polyhedron, Sensors, Sensors and Actuators B, Spectrochim. Acta, Supramolecular Chemistry, Syn. Lett. Talanta, Tetrahedron, Tetrahedron Lett., Water Research.