



Sociedad Española de Arcillas Spanish Clay Society

Activities of Sociedad Española de Arcillas – SEA (Spanish Clay Society) in 2016

The Sociedad Española de Arcillas – SEA (Spanish Clay Society) organized the XXIV Scientific Meeting in Universidad Autónoma de Madrid on September 5th to 7th, 2016, with contributions from 95 participants.

The Organising Committee was formed by SEA members at the Universidad Autónoma de Madrid, coordinated by Dr. Manuel Pozo.

The Conference program included:

- Plenary lectures:

- **"Chemical behavior of clay materials under repository conditions in the French context: lessons learned and residual uncertainties for HLW repository implementation"**, by Dr. Nicolas Michau (Agence Nationale pour la gestion des déchets radioactifs, ANDRA, France).
- **"Arcillas: De su papel en el suelo a su aplicación medioambiental"** (*Clays: From their role in soils to their environmental application*), by Dr. M. Carmen Hermosín (Instituto de Recursos Naturales y Agrobiología de Sevilla, Spain)

- Scientific session of oral and poster presentations

- Field trip:

- Role of clays in treatment of hazardous wastes: Hazardous waste disposal at San Fernando de Henares (Madrid):
- Influence of clays in the formation of paleontological traps: Cerro Batallones (Madrid)
- Ceramic industry and the use of clays in paleoenvironmental reconstructions in La Sagra area (Toledo)

- The announcement of the winner of the Award to Initiation to Research for Master Students, to Elisa Laita Florián from the University of Zaragoza for the Final Project of Master Degree titled "Transformaciones minerales durante los procesos de cocción de arcillas aluminicas y su relación con propiedades físicas de interés" (Minerals transformations during firing process of aluminic clays and their relations with physical properties of interest), directed by Prof. Blanca Bauluz.

- The announcement of the winners of the young researches' awards offered by the Society to José Manuel Moreno Maroto (Universidad de Castilla La Mancha) and to Daniel González Santamaría (Universidad Autónoma de Madrid).

- The announcement of the winners of the III Scientific Photographic Awards offered by the Society to M. Victoria Villar Galicia and Xabier Arroyo Rey.

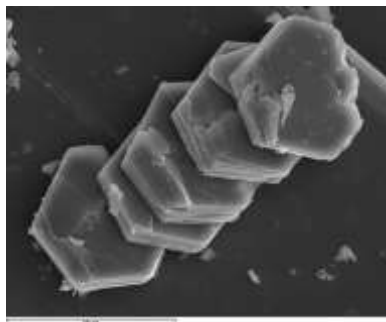
- During the Annual General Meeting some member of the SEA Council was elected: Dr. Fernando Nieto (VicePresident), and as member of the Council were elected Drs. Xabier Arroyo, Jaime Cuevas, Ana María Fernández Díaz and Africa Yebra Rodríguez.



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Bentonite 18 years at 100°C, 1st Award to scientific photography to M Victoria Villar Galicia



Deconstructed chlorite, 2nd award to scientific photography to Xabier Arroyo Rey



The International Clay Conference 2017 “Clays from the ocean to the space” will be held in Granada (16-21 July, 2017) organized by the Spanish Clay Society and coordinated by Dr. Alberto López-Galindo. The website of the meeting is <http://www.16icc.org/>

The online abstract submission **is open and closes on 15 February 2017**. We invite you to submit an abstract on the following topics:

I. Mineralogy

- MI-01. Out of this world! – Clays as decoders of extraterrestrial environments
- MI-02. Advanced structural characterization of clays
- MI-03. Clay mineral reaction progress in very low-grade temperature petrologic studies
- MI-04. Diversity of chlorites
- MI-05. Alkali activation of clays and geopolymers

II. Geology and geochemistry

- GG-01. Clays in faults and fractures
- GG-02. Effect of clays in the mineral processing value chain
- GG-03. Role of clay minerals in the quest for mineral resources
- GG-04. Clay minerals in sediments: palaeoenvironment, geodynamic evolution and sedimentary basins

III. Environment and soils

- ES-01. Mineral-life interaction
- ES-02. Environmental applications of clay minerals
- ES-03. From soils to shallow groundwater: The Influence of clays on the Critical Zone
- ES-04. Clay barriers performance in the long-term isolation of waste: thermal, hydro-mechanical and



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chemical interactions

IV. Interaction between clays and organic molecules and organisms

- OM-01. Clay/Polymer Nanocomposites: From Flame Retardants to Tissue Engineering
- OM-02. Drug delivery systems based on layered materials
- OM-03. Clay-based bionanocomposites: a meeting point of life and the mineral world
- OM-04. Clays in health care
- OM-05. Computational modeling of clay minerals and related materials
- OM-06. Biogeochemical processes at the microbe/clay interface and their synergy with radionuclide/organic interactions

V. Ceramics, zeolites

- CZ-01. Clays for ceramics
- CZ-02. Waste valorization in clay ceramics
- CZ-03. Environmental uses of natural zeolites and clayey diatomite

VI. Nanomaterials and clay technology

- NT-01. Natural and synthetic layer materials for Green Chemistry
- NT-02. Clay nanomaterials for polymer degradation and stabilisation
- NT-03. Synthetic clay minerals and derivatives: Synthesis, Features and Applications
- NT-04. Clays in biomaterial design and regenerative medicine
- NT-05. Calcined clays for sustainable supplementary cementitious materials
- NT-06. Clays, organoclays and nanocomposites in water treatment
- NT-07. Clay minerals in solution systems: from aqueous to non-aqueous
- NT-08. Properties and applications of natural and synthetic nanotubes (halloysite, imogolite) and of fibrous clay minerals
- NT-09. Self-organization from clay particles: From nano to macro
- NT-10. Recent advances in applications of Industrial Clays
- NT-11. Material's Challenges for Clay Scientist
- NT-12. Photo- and optical functionalities of clay-based hybrid materials
- NT-13. Clay mineral colloids for liquid crystals and soft materials
- NT-14. CO₂ or methane capture by clays

VII. Miscellaneous

- MISC-01. LDHs: from design and characterization to applications
- MISC-02. Clay-water interaction
- MISC-03. Clay Applications in the Oil Industry
- MISC-04. General session

The length of abstract should not exceed ONE full page. Abstracts will be published in Scientific Abstracts Research (ISSN: 2464-9147).

We hope to see you in Granada!

The Spanish Clay Society calls the JOSE MARIA SERRATOSA AWARD and offers financial assistance to the winner to attend the 16th International Clay Conference to be held in Granada (Spain). <http://www.16icc.org/awards-grants/> The closing date for reception of manuscripts will be **March 1st**,



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2017. Candidates must submit an electronic copy, preferably a pdf file, of approximately 4000 words in English on a topic relevant to one of the sessions of the Meeting. The paper should be written in a format acceptable for international journals. Assessment will be on scientific content only and the winner will be expected to present his/her paper at the Meeting. The award consists of an honorarium of 1.000 Euros to contribute to the recipient to cover the expenses of the registration fee to the Meeting, travel and hotel expenses for attending the 16th International Clay Conference Meeting, and a certificate. The award will not be made if it is considered that candidates do not reach the required standard. Person eligible for the award must be under 35 years of age on the closing date for submissions. No restriction is placed on the sex or nationality of the candidate

The award is incompatible with any other prize for the same paper. Therefore, the candidate declares that the content of the manuscript is original and has not been submitted and, in case of winning, will not be submitted, as candidate to any other prize.

The selection committee shall consist of the President of AIPEA (Chair), three members nominated by the SEA, and the President of the Spanish Clay Society, who will act as Secretary.

The attached form must be completed and returned to the secretary of the SEA (secretaria@sea-arcillas.es) with each entry to arrive before the official closing date. The candidates must note that the deadline will be strictly observed. The paper must be in the hands of the selection committee at least three months before the Conference. The winning paper could be submitted for publication in a clay mineralogy journal.

Patricia Aparicio
Secretary of the Spanish Clay Society



JOSE MARIA SERRATOSA AWARD

APPLICATION FORM



I have read the regulations governing the above Award and in conformity therewith submit a paper entitled:

My date of birth is: (day/month/year)

I agree to abide by the rules governing the Award and accept that the examiner's decision is final.



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Date:

Signature:

Address:

N.B.: If the candidate is not the sole author of the paper, a statement from the co-author(s) is required specifying the candidate's contribution to the paper.

Documentation should be sent by e-mail to the Secretary of the Spanish Clay Society (secretaria@sea-arcillas.es) with copy to the general address of the Spanish Clay Society (sea@sea-arcillas.es):