

EuChemS-DAC Study Group / Task Force Annual Report for 2021-2022

Study Group / Task Force Name: Sample Preparation
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Objectives: The objectives of the Sample Preparation Study Group are the promotion of Sample Preparation through the organization of events, facilitation of communication, information exchange and networking, and the promotion of fundamental studies and cross-disciplinary collaboration. To further benefit the area, efforts were placed on promoting innovation and entrepreneurship next to promote early stage researchers' involvement
Activities and Outputs in 2021-2022: The Sample Preparation Network working under the umbrella of this Study Group now counts 734 members from 54 countries around the world. The network has four working groups (WG: WG1. Science and Fundamentals ; WG2. Automation, Innovation and Entrepreneurship ; WG3. Information Exchange and Networking) including the newly formed WG4. Green Sample Preparation that represent the most important directions in the field. Three new publicity managers and one new Communication Manager were added last year in WG3 to help with the dissemination of the information. All new managers are younger members of our scientific community. We have a very strong presence in the social media and regularly post news on our LinkedIn Page (500 followers), LinkedIn Group (346 members) and Twitter (418 followers) accounts. Last year, new accounts were also created on Facebook (158 followers) and Instagram (252 followers). In ResearchGate we also have (115 followers). Since August 2021 our Study Group has been acknowledged in 39 scientific papers published by our members in ISI Journals. We continued supporting the new journal connected to our Study Group, " Advances in Sample Preparation ", Elsevier. The 2022 annual theme for our Study Group and Network was "Interdisciplinary Sample Preparation" and a number of activities were organized aiming to transfer knowledge from other disciplines into Sample Preparation. Following the success of the 1 st European Sample Preparation e-Conference we organized the second edition of the event. Furthermore, a new series of conferences focusing on Green and Sustainable Analytical Chemistry. The 2nd European Sample Preparation e-Conference (EuSP2022) and the 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022) were fully virtual and occurred simultaneously from 14-16 March, 2022. The events were supported by the European Chemical Society and the theme of EuSP2022 was "Interdisciplinary Sample Preparation". Participation was free for all our members and the events attracted 477 participants from 45 countries around the world. EuSP2022 in numbers: 4 plenary lectures, 69 oral presentations, 86 poster presentations, 1 tutorial on green metric tool common with GSAC2022 and one round table discussion on our IUPAC project on the greenness of standard official methods. GSAC2022 in numbers: 3 plenary lectures, 47 oral presentations, 23 poster presentations. A special session was dedicated to Green Chemistry, chaired by Ana Aguiar Ricardo and Slavica Razic and the plenary speaker was Nora Ventosa (ICMAB, Spain). This session acted as a bridge to EuChemS Division of Green and Sustainable Chemistry. EuSP2022 and GSAC2022 attracted sponsorships from major companies that were deposited in the DAC-EuChemS bank account and will be used for supporting PhD students members of our Network. During EuSP2022 and GSAC2022 five awards were given to best presentations from PhD students. Our Study Group supported the participation of 1 student in CLAQ2021 (hybrid event October 11-15, 2021), two PhD students in 6 th Green and Sustainable Chemistry Conference (virtual event 26-18 November 2021) and one student in HPLC2022 (San Diego, USA 18-23 2022). Our IUPAC project entitled "Greenness of official standard sample preparation methods" was accepted and aims to evaluate current status of the greenness of the sample preparation methods used in official standard methods. The project proceeds as planned. The Elsevier Journal (SAMPRE) linked to our network met the task to apply for an IF. The 2021-Sample Preparation Summer Course (Sample Preparation for MS Bioanalysis: Theory, Practice and Applications), 28 September-1 October 2021, Bydgoszcz, Poland, was successfully completed. This course belongs to a series of courses organized by our Study Group and Network. Finally, one article appeared in The Analytical Scientist from a member of our network.
Activities planned for 2022-2023: We will organize sessions in Euroanalysis2023 and Extech2023. We will announce awards for funding the participation of PhD students and members of our network in major Conferences related to Sample Preparation. We will continue supporting the 2022-Sample Preparation Summer Course, 13 – 15 September 2022, Hradec Králové, Czech Republic (Automation and miniaturization in sample preparation. We will continue our efforts on creating further policy actions for the benefit of sample preparation and our members as well as increase the visibility of Sample Preparation worldwide.
Report submitted by: Professor Elia Psillakis (Head), TUCrete, Greece 
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