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## Posters with examples of synchrotron research projects

Project acronym: Sylinda

Project full title: Synchrotron Light Industry Applications

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Dissemination Level					
PU	Public	V			
PP	Restricted to other programme participants (including the Commission				
	Services)				
RE	Restricted to a group specified by the consortium (including Commission				
	Services)				
CO	Confidential, only for members of the consortium (including Commission				
	Services)				

## **Document History**

Issue Date	Version	Changes Made / Reason for this Issue	Autho	or	
26.06.2023	1.0	Initial draft	Dr. Amel	Susanne	v.
24.07.2023	1.1	Final version approval	Dr. Amel	Susanne n	v.

## Objectives of the action

The poster session took place during the Industry Workshop at the SOLARIS NSRC premises between 14th and 15th June 2023. Young scientists affiliated to the Sylinda partners prepared scientific posters presenting examples of synchrotron research projects. Specific poster's topics on possible applications of synchrotron based techniques to industry were discussed and agreed with the appropriate Science Management Department at the partners organizations. The preparation of the posters and participation in the poster session gave young scientists a unique opportunity to expand their knowledge of science management and enable communication with industry. Additionally, young researchers could learn about the specific needs of industry partners.

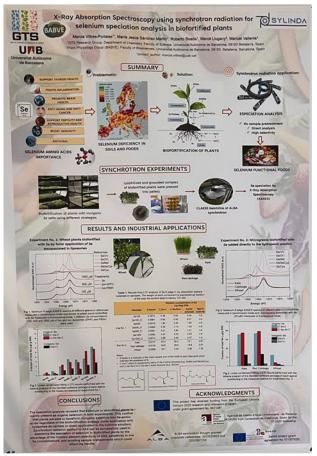
List of posters presented at the Industry Workshop. Bold topics are presented as a examples at the bottom of the document:

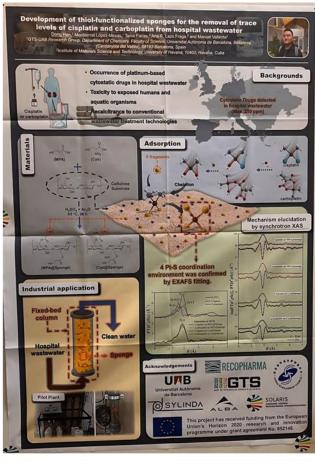
- 1. "Dye fabric with structure color", authors Di Cai, Boris Mahkltig
- 2. "X-ray absorption spectroscopy using synchrotron radiation for selenium specistion in biofortified plants", authors Marcia Viltres- Portales, María-Jesús Sánchez-Martín, Roberto Boada, Mercè Llugany, Manuel Vallente
- 3. "Do the dietary conditions of hens influence eggshells quality?", authors Iris H. Valido, Maria Angels Subirana, Rosa Mary Lopez-Alvarez, Sandra Mounicou, Florent Penen, Montserrat Lopez-Mesas, Ibraheem Yousef, Stéphane Faucher, Pascale Sénéchal, Peter Moonen, Alessandra Monteiro, Dirk Schaumlöffel
- 4. "Development of thiol-functionalized sponges for the removal of trace levels of cisplatin and carboplatin from hospital wastewater", authors Dong Han, Montserrat Lopez-Mesas, Tania Farias, Ana R. Lazo Fraga, Manuel Vallente
- 5. "How can synchrotron help Startups and Industry", author Stephanie Bienefeld
- 6. *"The soft X-ray spectroscopy beamline Phelix at the SOLARIS Synchrotron"*, authors Edyta Bayer, Magdalena Szczepanik, Tomasz Sobol, Ewa Partyka-Jankowska
- 7. "A powerful new SOLARIS beamline for applied research", authors Henning Lichtenberg, Alexey Maximenko, Josef Hormes, Alexander Prange
- 8. "Advanced research technique for high tech", author Natalia Olszowska
- 9. "Thiazoloethiazole derivatives as new materials for memristive and semiconductor devices", authors Lulu Alluhaibi, Karolina Gutmańska, Alexey Maximenko, Ewelina Kowalewska, Andrzej Sławek, Konrad Szaciłowski, Anna Dołęga
- 10. "CIRI beamline chemical infrared imaging new research opportunities", authors Karolina Kosowska, Paulina Kozioł, Danuta Liberda, Maciej Roman, Tetiana Stepanenko, Tomasz Wróbel
- 11. "Materials and chemical research at the PIRX beamline", authors Ewa Partyka-Jankowska, Joanna Stępień, Marcin Zając

- 12. "Sample holders and in situ cell construction for ASTRA beamline", authors Marcin Brzyski, Dora Zalka, Alexey Maximenko
- 13. "Synchrotron techniques to unravel ARF DNA Binding Domain function", authors Isidro Crespo, Willy van den Berg, Dolf Weijers, Roeland Boer
- 14. "POLYX at SOLARIS: layout, specification & first results", authors Katarzyna Sowa, Paweł Wróbel, Tomasz Kołodziej, Wojciech Błachucki, Paweł Korecki
- 15. "SOLARIS Cryo-EM Facility", authors Paulina Indyka, Michał Rawski, Grzegorz Ważny, Marcin Jaciuk, Sebastian Glatt

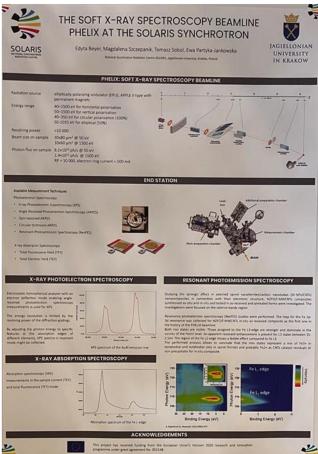


Figure 1: Poster session of the Sylinda Industry Workshop









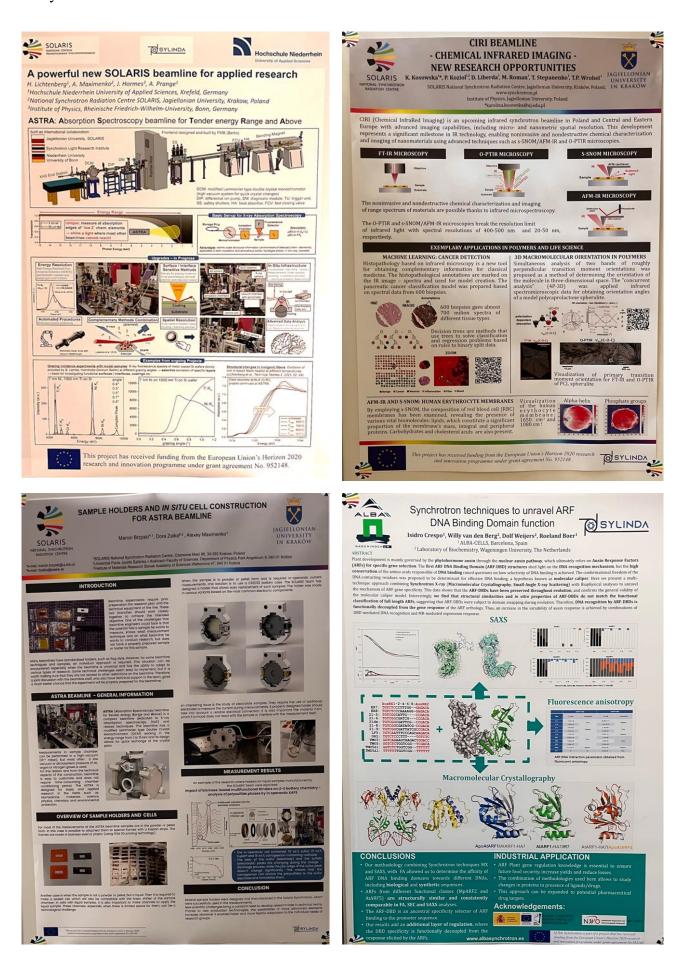


Figure 2: Examples of the posters presented during the poster session of the Sylinda Industry Workshop