**Curriculum Vita – Dino Sulejmanovic**

Corrosion Science and Technology Group

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**Education and Training:**

2015: Ph.D. in Inorganic Chemistry, Clemson University, Clemson, SC

2009: B.S. in Chemistry, Western Kentucky University, Bowling Green, KY

**Research and Professional Experience:**

2018-present Staff, Oak Ridge National Laboratory, Oak Ridge, TN

- Performs research in molten salt chemistry for solar and nuclear applications. Uses analytical tools to quantify impurities in molten salts relevant to corrosion of alloys.

2016-2018 Scientist, Lumenari, Inc. Lexington, KY

2015-2016 Postdoctoral Fellow, Clemson University, Clemson, SC

**Selected Publications:**

Bagri, P.; Thapaliya, B. P.; Yang, Z.; Jiang, W.; Sulejmanovic, D.; Luo, H.; Dai, S., Electrochemically induced crystallization of amorphous materials in molten MgCl2: boron nitride and hard carbon. *Chemical Communications* **2020,** *56* (18), 2783-2786.

Sulejmanovic, D.; Kurley, J.M; Raiman, S.S.; Pint, B. *Effect of europium fission products on chromium concentration in molten KCl-MgCl2*. TMS 2020 Conference: **2020**.

Sulejmanovic, D.; Melman, J.; Nordsell, R.; Bugaris, D.; Makongo, J.; Go, Y. B., Europium beta-diketonate luminescent material. US Patent App. 16/204,719: **2019**.

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Chen, H.; Wang, F.; Moore, T. L.; Qi, B.; Sulejmanovic, D.; Hwu, S.-J.; Mefford, O. T.; Alexis, F.; Anker, J. N., Bright X-ray and up-conversion nanophosphors annealed using encapsulated sintering agents for bioimaging applications. *Journal of Materials Chemistry B* **2017,** *5* (27), 5412-5424.

Campbell, M. L.; Sulejmanovic, D.; Schiller, J. B.; Turner, E. M.; Hwu, S. J.; Whitehead, D. C., Alcohol Oxidations Using Reduced Polyoxovanadates. *Helvetica Chimica Acta* **2017,** *100* (3), e1600338.

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Sulejmanovic, D., High temperature synthesis and characterization of reduced polyoxometalate salt-inclusion solids. **2015**.

Gao, J.; Li, J.; Sulejmanovic, D.; Hwu, S.-J., M3 (P2O7) 22–-Type Open Frameworks Featuring [M2O8] and [M3O12] Multinuclear Transition-Metal Oxide Units. Serendipitous Synthesis of Six Polymorphic Salt-Inclusion Magnetic Solids: Na2M3 (P2O7) 2· ACl (M= Mn, Fe; A= Rb, Cs) and K2M3 (P2O7) 2· CsCl (M= Fe, Mn). *Inorganic chemistry* **2015,** *54* (3), 1136-1144.

Garlea, V. O.; Sanjeewa, L. D.; McGuire, M. A.; Kumar, P.; Sulejmanovic, D.; He, J.; Hwu, S.-J., Complex magnetic behavior of the sawtooth Fe chains in Rb 2 Fe 2 O (AsO 4) 2. *Physical Review B* **2014,** *89* (1), 014426.

Chen, H.; Sulejmanovic, D.; Moore, T.; Colvin, D. C.; Qi, B.; Mefford, O. T.; Gore, J. C.; Alexis, F.; Hwu, S.-J.; Anker, J. N., Iron-loaded magnetic nanocapsules for pH-triggered drug release and MRI imaging. *Chemistry of Materials* **2014,** *26* (6), 2105-2112.