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EDITORIAL

# In celebration of 30 years of *Structural Chemistry*: a "delocalized" special issue

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The over 30 years of publishing *Structural Chemistry*—often referred to by its nickname, *STUC*—has enriched authors, readers, reviewers, and editors. The initiative in 1988 came from a concern for the quality of communications in structural chemistry; the year 1989 was the time of preparation, and the first issue appeared in 1990. We have had Nobel laureates and budding researchers among our authors, and the geographical spread of our contributions has covered the entire globe. An invisible but strong network has developed among the participants, and the diversity of topics is the most amazing yet always stays within the boundaries of the science of structures—chemical structures to be sure. The call for this delocalized collection was issued in the August 2019 issue of *STUC*. I strongly recommend to read the reviews published in celebration of our jubilee between the August 2019 and October 2020 issues. They inform and make us think about the path of our science and possibly encourage thinking about its future. I express my sincere thanks to all participants in this unusual endeavor, and below, I list all authors and titles of the 19 contributions.

Steve Scheiner, Forty years of progress in the study of the hydrogen bond

Alexandru T Balaban, On pyrylium cations, molecular graphs, topological indices for QSAR, and various other structural problems

Slawomir J Grabowski, Pnicogen and tetrel bonds—tetrahedral Lewis acid centers

Peter Politzer and Jane S. Murray, A look at bonds and bonding

Halina Szatylowicz, Anna Jezuita, and Tadeusz M. Krygowski, On the relations between aromaticity and substituent effect

Maja Ponikvar-Svet and Joel F. Liebman, Structural Chemistry, the journal, the discipline, bridge building, and our personal and professional practice

Árpád Furka, Relative energy of organic compounds. V. structure-energy comparisons

Svitlana V. Shishkina, Using of quantum-chemical calculations to molecular crystals studying

Vladimir Ya. Shevchenko, Inna V. Medrish, Gregory D. Ilyushin, and Vladislav A. Blatov, From clusters to crystals: scale chemistry of intermetallics

Ibon Alkorta and José Elguero, Theoretical studies of conformational analysis and intramolecular dynamic phenomena

Alexander S. Sharipov and Boris I. Loukhovitski, Small atomic clusters: quantum chemical research of isomeric composition and physical properties

David Brown, Another look at bonds and bonding

D. Majumdar, Pabitra Narayan Samanta, Szczepan Roszak, Minh Tho Nguyen, and Jerzy Leszczynski, Jahn-Teller and Pseudo Jahn-Teller Effects: Influences on the Electronic Structures of Small Transition, Main Group and Mixed Metal Clusters

Miroslaw Jablonski, Ten years of charge-inverted hydrogen bonds

Arnaldo F. Silva, Leonardo J. Duarte, and Paul L.A. Popelier, Contributions of IQA electron correlation in understanding the chemical bond and non-covalent interactions

Attila Kovács, Molecular oxides of high-valent actinides

Israel Agranat and Tahani Mala'bi, A Structural Chemistry Practitioner: A Fox rather than a Hedgehog. Reversibility of Friedel-Crafts Acyl Rearrangements

Marjorie Senechal and Jean Taylor, Opening Crystallography

Tatyana N. Gribova, Ruslan M. Minayev, Vladimir I. Minkin, and Alexander I. Boldyrev, Novel architectures of boron

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