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Preface

Activation and transformations of molecules by the platinum group metals



Platinum group metals are probably the most versatile and widely used of all of the transition metal elements for applications in catalysis. Because of this, there has been great interest in investigating the nature of the activation and transformation of small molecules with platinum group complexes. Professor Richard J. Puddephatt, Distinguished University Professor at The University of Western Ontario (Canada) has been a leader in this field for over 45 years. In 2018 Professor Puddephatt achieved the distinguished age of 75. We are pleased to honor him by organizing this special issue of the *Journal of Organometallic Chemistry* on one of his favorite topics, the Activation and Transformations of Molecules by the Platinum Group Metals. Dick (as he is known by his friends and colleagues) has over 650 original research publications, most of which are on a topic involving the platinum group metals. See a brief Tribute which follows in this issue for further information about his life and distinguished career. This Virtual Special Issue of the *Journal of Organometallic Chemistry* contains contributions on a range of topics of current interest on the organometallic chemistry of the platinum group metals that have been contributed by Dick's

former students, friends, and colleagues. We wish to congratulate Professor Puddephatt for his many outstanding achievements in this field of organometallic chemistry during the course of his very productive career, and we wish him all the best as he continues to push back the frontier in this important and exciting field of research.

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