S. I.: Pesticides and Veterinary Drugs: Analysis, Environmental Behavior and Risk

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With the requirement of increasing food yields and swift economic growth, the threat posed by human utilized chemical, agricultural and industrial materials have increased over the last several decades. Regardless of the source of these hazards, be it subconscious employing or through misuse, there is little doubt that the persistent/accumulated threats on human health is ever expanding to outpace the range of standards. These hazards mainly include some known and unknown pesticides, veterinary drugs, pathogenic organisms, microbial metabolites, natural toxins and their derivatives. In these times of heightened food security and safety, when faced with the long standing and multiple threats, the unilateral evaluation or detection technology especially for the official standards based on conventional instruments is limited.

This special issue, *Pesticides and Veterinary drugs: Analysis, Environmental behavior and Risk*, dedicated to current development and trends on pesticides and veterinary drugs for addressing advanced controlling and risk evaluation technologies. We have divided this issue into three sections due to the contributions on the topic: (1) The first section summarized the progress on sensing and removal of pesticides

based on 2D nanomaterials or point-of-care-testing (POCT) techniques, and described the representative techniques suitable to rapidly evaluate and simultaneously recognize multiple targets; (2) The second section of this special issue focused on the studies of environmental behaviors, i.e., degradation and sorption with/without control, of some of pesticides and veterinary drugs; (3) The third section of this special issue, which mainly introduced progresses on the scientific risk evaluation, was consistent with the papers that explore residues and derivatives in vegetables and/or fruits, as well as the dietary exposure and health impacts.

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