



بسم الله الرحمن الرحيم

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Development of analytical methods for determination and elimination of some strobilurin pesticides in environmental samples

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(Pharmaceutical Analytical Chemistry)

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَنَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ

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LIST OF ABBREVIATIONS

ALG	Alginate
AZX	Azoxystrobin
BDD	Boron-doped diamond
BOS	Boscalid
CA	Citric acid
CDs	Carbon dots
CHS	Chitosan
CHS/ALG	Chitosan/ calcium alginate beads
CMC	Carboxymethyle cellulose
CN	Carbon nanotubes
DAD	Diode array detection
DFC	Difenoconazole
DOP	Dioctyl phthalate
d-SPE	Dispersive solid-phase extraction
ECD	Electron capture detector
FP	Fluorescence polarization
GO	Graphene oxide
GQD	Graphene quantum dots
IF	Imprinting factor
KRE	Kresoxim-methyl
LC50	Median lethal concentration
LD50	Oral median lethal dose
MA	Methacrylic acid
mAb	Monoclonal antibody
MIP	Molecularly imprinted polymer
MIR	Molecularly imprinted resin
MMFF	Minimized functional monomers

List of Abbreviations

MOL	Molybdate
MRL	Maximum residue level
MRM	Multiple reaction monitoring
NIP	Non-molecularly imprinted polymer
NIR	Non-molecularly imprinted resin
PA	Peak area
PAR	Peak area ratio
PIC	Picoxystrobin
PL	L- α -phosphatidylcholine
PSA	Primary secondary amine
PYR	Pyraclostrobin
QoI	Quinone outside inhibitor
QuEChERS	Quick, Easy, Cheap, Effective, Rugged, and Safe
REN	Ammonium renickate
SPME	Solid-phase micro-extraction
SWCNTs	Single walled carbon nanotubes
TOF MS	Time-of-flight mass spectrometer
TRE	Trehalosomes
TRI	Trifloxystrobin
TUN	Tungstate
β CD	2-hydroxypropyl- β -cyclodextrin

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