

PLASMA ASSISTED COMBUSTION, GASIFICATION, AND POLLUTION CONTROL

VOLUME 2. COMBUSTION
AND GASIFICATION



IGOR MATVEEV

Assisted Combustion Gasification Pollution Control

Efstathios-Al. Tingas



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Plasma Assisted Combustion, Gasification, and Pollution Control Igor Matveev, 2015-12-14 This two volume book is one of the first projects of the newly established International Plasma Technology Center IPTC and is the first attempt to collect the most valuable contributions to the relatively new field of science named Plasma Assisted Combustion PAC from different research groups all over the globe It provides in Volume 1 a description of different plasma sources especially designed for PAC and in Volume 2 describes plasma assisted ignition combustion and gasification processes that are under development or used industrially If successful we plan to publish new editions every three to five years depending on progress in this field This book is intended to be used as a textbook at the senior or first year graduate level by students from all engineering and physical science disciplines by PhD students and as a reference source by in service engineers and other researchers Basic information on plasma physics and accompanying physical processes important in PAC are contained in Volume 1 Devices technologies current state and future works are covered in Volume 2

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