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**4,4'-diamino-2
,2'- Stilbened**

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Chemistry from
China,
Germany, and
Indi
New
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Handbook for c
leaning/decont

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amination of s
urfacesElsevie
r

This book
features in-
depth and
thorough
coverage of
Minimum Impact
Mill
Technologies
which can meet

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the
environmental
challenges of
the pulp and
paper industry
and also
discusses
Mills and
Fiberlines
that encompass
"State-of-the-
Art"

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technology and management practices. The minimum impact mill does not mean "zero effluent", nor is it exclusive to one bleaching concept. It is a much bigger

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concept which means that significant progress must be made in the following areas: Water Management, Internal Chemical Management, Energy

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Management,
Control and
Discharge of
Non-Process
Elements and
Removal of
Hazardous
Pollutants. At
the moment,
there is no
bleached kraft
pulp mill

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operating with
zero effluent.
With the rise
in
environmental
awareness due
to the
lobbying by
environmental
organizations
and with
increased

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government
regulation
there is now a
trend towards
sustainability
in the pulp
and paper
industry.

Sustainable
pulp and paper
manufacturing
requires a

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holistic view
of the
manufacturing
process.

During the
last decade,
there have
been
revolutionary
technical
developments
in pulping,

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bleaching and
chemical
recovery
technology.

These
developments
have made it
possible to
further reduce
loads in
effluents and
airborne

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emissions.

Thus, there has been a strong progress towards minimum impact mills in the pulp and paper industry. The minimum-impact mill is a

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holistic
manufacturing
concept that
encompasses
environmental
management
systems,
compliance
with
environmental
laws and
regulations

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and

manufacturing
technologies.

ACI Materials

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Chemistry and

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Control of

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protein and soy-foods are rich in vitamins and minerals. Soybean protein provides all the essential amino acids in the amounts needed for human health. Recent research suggests that soy may also lower risk of prostate, colon and breast cancers as well as osteoporosis

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and other bone health problems and alleviate hot flashes associated with menopause. This volume is expected to be useful for student, researchers and public who are interested in soybean.

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Damage, Second
edition is a
comprehensive

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treatise of the theory
and modeling of
common formation
damage problems and
is an important guide
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development,
laboratory testing for
diagnosis and
effective treatment,
and tailor-fit- design
of optimal strategies
for mitigation of

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reservoir formation
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edition includes field
case histories and
simulated scenarios
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consequences of
formation damage in
petroleum reservoirs
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an Alumni Chair
Professor in the
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Petroleum and
Geological
Engineering at the
University of
Oklahoma in Norman.
Dr. Civan has
received numerous
honors and awards,
including five
distinguished
lectureship awards
and the 2003 SPE
Distinguished

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Achievement Award
for Petroleum
Engineering Faculty.
Petroleum engineers
and managers get
critical material on
evaluation,
prevention, and
remediation of
formation damage
which can save or cost
millions in profits
from a mechanistic

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point of view State-of-
the-Art knowledge
and valuable insights
into the nature of
processes and
operational practices
causing formation
damage Provides new
strategies designed to
minimize the impact
of and avoid
formation damage in
petroleum reservoirs

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techniques

Make the Grade in AS
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Index Medicus

Ceramics Science and
Technology, Volume
4

Journal of Rheology

Cometary Science

after Hale-Bopp

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The focus of Handbook for Cleaning/Decontamination of Surfaces lies on cleaning and decontamination of surfaces and solid matter, hard as well as soft. Bringing together in a 2-volume reference source: - current

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knowledge of the physico-chemical fundamentals underlying the cleaning process; - the different needs for cleaning and how these needs are met by various types of cleaning processes and cleaning agents,

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including novel approaches; - how to test that cleaning has taken place and to what extent; - the effects of cleaning on the environment; - future trends in cleaning and decontamination, for example the

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idea of changing surfaces, to hinder the absorbance of dirt and thus make cleaning easier. A brief introduction is given to the legal demands concerning the environment and a historical background, in

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terms of development of detergents, from soaps to the modern sophisticated formulations. Bactericides, their use and the environmental demands on them are covered.

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Thorough discussions of mechanisms for cleaning are given in several chapters, both general basic concepts and special cases like particle cleaning and cleaning using microemulsion concepts. *

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General

understanding of
how cleaning
works, function of
ingredients and
formulations *

Overview of
environmental
issues and
demands from the
society in the area *

Gives basic

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formulas for
cleaning
preparations in
most areas
In the nearly 10
years since the
publication of the
bestselling first
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Introduction to
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interest in green

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chemistry and
clean processes
has grown so much
that topics, such as
fluorous biphasic
catalysis, metal
organic
frameworks, and
process
intensification,
barely mentioned in
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have become major areas of research. In addition, government funding has ramped up the development of fuel cells and biofuels. It reflects the evolving focus from pollution

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remediation to
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mercury from
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growth The book covers traditional green chemistry topics, including catalysis, benign solvents, and alternative feedstocks. It also discusses relevant but less frequently covered topics with chapters such as

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the importance of
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everyday life and
demonstrates the
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expanded
exploitation of

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green chemistry
can have for
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area of science and
technology where
dimensions and
tolerances in the range

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of 0.1nm to 100nm
play a critical role.
Nanotechnology has
opened up new worlds
of opportunity. It
encompasses precision
engineering as well as
electronics,
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systems and
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biomedical
applications in areas

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characteristics of a
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the modern tire and

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chemistry and
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and material
compounds for
optimal formulation
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Surface Modification
Technologies, August
1-3, 2005, Radisson
Riverfront Hotel, St.
Paul, Minnesota, USA

EU Regulation of
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Tappi Journal

Comet Hale-Bopp

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defines a milestone event for cometary science: it is the first "really big" comet observed with modern equipment on the ground and from space and due to that; it is considered the new reference object in cometary sciences. At the beginning of a new era in spacecraft exploration of comets

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and five years after Hale-Bopp's perihelion passage these proceedings of invited and contributed papers for IAU Colloquium 186 "Cometary Science after Hale-Bopp" review the state-of-the-art knowledge on comets, the icy, dusty and most primordial left-overs of the formation disk of our own solar system.

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Natural/Biofiber composites are emerging as a viable alternative to glass fiber composites, particularly in automotive, packaging, building, and consumer product industries, and becoming one of the fastest growing additives for thermoplastics.

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Biocomposites provides
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