

**Heavy Metal
Sequestration
Using
Functional**

Nanoporous

Heavy Metal
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Using Functional
Nanoporous Free
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Carbon Dioxide Separation
from Flue Gases: A
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synthesis, and ...

Maximizing the right stuff:

The trade-off between
membrane ... Current

Science Expat Dating in

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Thin Film Deposition
using Sputtering (IBS,
dc/rf MS, HiPIMS),
Processing using
RTA/TA, Low Energy

Ion Beam,
Characterization using
XRD & SIMS, Soft X-
ray Absorption
Spectroscopy
Beamline at Indus-2:
Physics * Condensed
Matter Physics:

Student
Accommodation
Available FL4151:
Gupta, Dr Purvi IISc,
Bengaluru: Several
Complex Variables:
Mathematics

**Dissertations and
Master's Theses
(Campus Access ...**

Dissertations from
2022. Moore, Jesse
(2022) Tracking
Migratory Birds:
Applying a Passive

Tracking Technique
Using Direction of
Arrival from VHF
Radio Tags .

Dissertations from
2021. Alshammari,
Saad (2021) Essays on
Empirical Asset

Pricing in Saudi
Arabia . Amani, Ali
(2021) Data
Dimensionality
Reduction Through
Cluster Trees and
Manifold Learning .

Brown, Nathan ...

**Theses and
Dissertations
Available from
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Dissertations &
Theses from 2019.**

Krishnan, Ankita
(2019) Understanding
Autism Spectrum
Disorder Through a
Cultural Lens:
Perspectives, Stigma,
and Cultural Values
among Asians .

Suzuki, Takakuni
(2019) Quantifying
the Relations among
Neurophysiological
Responses,
Dimensional
Psychopathology, and
Personality Traits .

Dissertations &
Theses from 2018. ...

IITK Faculty

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Research Interests:

Flight Mechanics,

Flight Testing and

Parameter Estimation

from flight data,

Neural modeling
Design of Air Borne
stores: Aircraft
Bombs, Artillery
shells and Rockets
Design of Control law
of guided missiles.

**The path towards
sustainable energy |
Nature Materials**

20/12/2016 .

Moreover,
metal–organic
frameworks (MOFs)
and other novel

materials are being
used to capture carbon
from power
generation, cement,
aluminium, plastic and
steel production, and,
ultimately, the ...

**Carbon Dioxide
Separation from Flue
Gases: A
Technological ...**

Increasing
concentrations of
greenhouse gases
(GHGs) such as CO₂

in the atmosphere is a global warming. Human activities are a major cause of increased CO₂ concentration in atmosphere, as in recent decade, two-

third of greenhouse effect was caused by human activities.

Carbon capture and storage (CCS) is a major strategy that can be used to reduce

GHGs emission.

**Materials-by-design:
computation,
synthesis, and ...**

16/4/2018 · In 1959,
Richard Feynman
expressed his vision

around the concept
that there exists
'plenty of room at the
bottom' for
manipulating
individual atoms for
the synthesis and
manufacturing

processing of
materials []. More than
50 years after this
visionary idea, recent
advances in
nanotechnology,
materials
characterization,

additive
manufacturing,
synthetic ...

**Maximizing the right
stuff: The trade-off
between membrane ...**

16/6/2017 .

Membranes are widely used for gas and liquid separations. Historical analysis of a range of gas pair separations indicated that there was an upper bound on the trade-off

between membrane permeability, which limits flow rates, and the selectivity, which limits the quality of the separation process.

Current Science

Identification of heavy metal pollution source due to idol immersion activity across the Cauvery river ...

Anatomy and functional status of

haustoria in field
grown sandalwood
tree (*Santalum album*
L ... Quantification of
carbon stocks and
sequestration potential
through existing
agroforestry systems

in the hilly Kupwara
district of ...

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home. A must-read for
English-speaking
expatriates and
internationals across
Europe, Expatica

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