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Indah Revita Saragi, S.Si., M.Si was born in Medan on December 31, 1992. She is a Chemistry lecturer at the Universitas Sumatera Utara. She completed her master's degree in Chemistry at the University of Indonesia in 2019.

Publications

2026

Jurnal nasional terakreditasi

Preparation and Characterization of Mesoporous Zeolite from Natural Zeolite Using Tandem Acid-Base Treatments

INDAH REVITA SARAGI , Devi Yanti

2025

Jurnal internasional bereputasi

Study of Ammonium Adsorption Mechanism in Hydrothermalized Pahae Natural Zeolites: Kinetic and Isotherm Adsorption, and Thermodynamics

YUAN ALFINSYAH SIHOMBING , SUSILAWATI , ARIF NURYAWAN , Nanang Masruchin , Mutia Irma , ANDRIAYANI , INDAH REVITA SARAGI

2024

Jurnal internasional bereputasi

Optimization of g-C₃N₄ nanoparticles on structural, morphological, and optical properties as organic pollutants adsorbent in glycerin

NURSAL , INDAH REVITA SARAGI , MUHAMMADIN HAMID

2024

Jurnal nasional terakreditasi

Developing Graphitic Carbon Nitride for Effective Treatment of Organic Pollutants in Industrial Water

NURSAL , MUHAMMADIN HAMID , INDAH REVITA SARAGI

2024

Jurnal internasional bereputasi

Activated carbon from biomass waste candlenut shells (*Aleurites moluccana*) doped ZIF-67/Fe₃O₄ as advanced materials for supercapacitor

MUHAMMADIN HAMID , INDAH REVITA SARAGI , SYAHRUL HUMAIDI

2024

Jurnal internasional bereputasi

Preparation, characterization and decomposition test on Tapanuli organoclay reinforced cellulose acetate/cellulose acetate butyrate blend composites

INDAH REVITA SARAGI , LISNA JUNAENI MUIZ , Ariadne Lakshmidewi , Yuni Krisyuningsih

2023

Prosiding seminar internasional

The characterization of Pahae Natural Zeolite and its application on ammonium removal

INDAH REVITA SARAGI , YUAN ALFINSYAH SIHOMBING , SUSILAWATI , ANDRIAYANI , ARIF NURYAWAN

2023

Jurnal internasional bereputasi

Eco-benign synthesis of nano-gold chitosan-bacterial cellulose in spent ground coffee kombucha consortium Characterization, microbiome community, and biological performance

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2023

Jurnal internasional bereputasi

Eco-benign synthesis of nano-gold chitosan-bacterial cellulose in spent ground coffee kombucha consortium: Characterization, microbiome community, and biological performance

INDAH REVITA SARAGI , ANDY CANDRA

2023

Jurnal internasional bereputasi

Fabrication and characterization of hybrid eco-friendly high methoxyl pectin/gelatin/TiO₂/curcumin (PGTC) nanocomposite biofilms for salmon fillet packaging

INDAH REVITA SARAGI , ANDY CANDRA

2022

Jurnal internasional bereputasi

Preparation, characterization, and desalination study of polystyrene membrane integrated with zeolite using the electrospinning method

YUAN ALFINSYAH SIHOMBING , SUSILAWATI , INDAH REVITA SARAGI , RINI HARDIYANTI , MUHAMMAD ZULHAM EFENDI SINAGA

2021

Book chapter internasional

Advanced Functional Porous Materials

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2021

Jurnal internasional bereputasi

Synthesis of oleic-imidazoline and investigation on its inhibition efficiency for the corrosion of low carbon steel in chloride environments

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2021

Jurnal internasional bereputasi

The new challenge of partial oxidation of methane over Fe₂O₃/NaY and Fe₃O₄/NaY heterogeneous catalysts

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2020

Jurnal nasional terakreditasi

Natural Aluminosilicate-based Y Zeolite for Catalytic Cracking of n-Hexadecane

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2020

Jurnal nasional terakreditasi

ZnO/SiO₂ Composite as Catalyst for the Transformation of Glycerol to Glycerol Carbonate

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2020

Prosiding seminar internasional

Synthesis and characterization of Fe₂O₃/HY from kaolin as catalysts in the partial oxidation reaction of methane to methanol

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2020

Prosiding seminar internasional

Synthesis of metal organic framework (MOF) using lanthanum and yttrium metals with succinate acid ligand as adsorbent for cadmium(II) metal ion

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2020

Prosiding seminar internasional

Synthesis of hierarchical Fe₂O₃/ZSM-5 from natural minerals as catalyst in partial oxidation of bio-methane

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2020

Prosiding seminar internasional

Bangka Kaolin and Bayat Zeolite-based ZSM-5 zeolite as heterogeneous catalyst for hexadecane cracking reaction

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2019

Jurnal nasional terakreditasi

Grass-Like Structured Mesoporous Carbon as an Acid Red 119 Dye Adsorbent

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2019

Jurnal internasional bereputasi

Synthesis and characterization of crystalline NaY-Zeolite from Belitung Kaolin as catalyst for n-Hexadecane cracking

INDAH REVITA SARAGI

2019

Book chapter internasional

Biogas- Recent Advanced and Integrated Approaches

INDAH REVITA SARAGI

2019

Prosiding seminar internasional

Synthesis and characterization HY zeolite from natural aluminosilicate for n-hexadecane cracking

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2018

Prosiding seminar internasional

Synthesis and Characterization of Zeolite NaY from kaolin Bangka Belitung with variation of synthesis composition and crystallization time

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Researches

2025

Kerjasama Luar Negeri dan Publikasi Internasional

Pemanfaatan Nanopartikel Sb-CdSe dalam Sel Surya Tersensitisasi Semikonduktor untuk Konversi Energi Surya

INDAH REVITA SARAGI , ANDY CANDRA , SITI UTARI RAHAYU , Chiu-Hsien Wu

2025

Kerjasama Luar Negeri dan Publikasi Internasional

Pemanfaatan Nanopartikel Sb-CdSe dalam Sel Surya Tersensitisasi Semikonduktor untuk Konversi Energi Surya

INDAH REVITA SARAGI , ANDY CANDRA , SITI UTARI RAHAYU , OFIN HASRAT LASE , MUTIARA PUTRI ZANNAH , Chiu-Hsien Wu

2024

Ipteks

Preparasi dan Karakterisasi Komposit Selulosa Asetat/Selulosa Asetat Butirat Komposit yang Diperkuat Organoclay Tapanuli

INDAH REVITA SARAGI , LISNA JUNAENI MUIZ , Ariadne Lakshmidewi

2022

Filter Amonium Berbasis Zeolit Alam Pahae Dengan Metode Hidrothermal Sebagai Pereduksi Amonium Pada Limbah Greywater

SUSILAWATI , INDAH REVITA SARAGI , ANDRIAYANI , YUAN ALFINSYAH SIHOMBING

Community Services

2025
Ipteks

Pengabdian Proyek PINTAR: Belajar Sains dan Teknologi dari Mesin Pemilah Sampah Tanpa Ribet (PINTAR) di Yayasan Hasballah Syam Medan

INDAH REVITA SARAGI

2025
Ipteks Bagi Masyarakat

Proyek PINTAR: Belajar Sains dan Teknologi dari Mesin Pemilah Sampah Tanpa Ribet (PINTAR) di Yayasan Hasballah Syam Medan

INDAH REVITA SARAGI , SURI MUTIA SIREGAR , SITI UTARI RAHAYU

2024
Ipteks Bagi Masyarakat

Edukasi Pemanfaatan Limbah Kelapa Sawit menjadi Bioplastik di Sekolah Indonesia Bangkok, Thailand

INDAH REVITA SARAGI

2024
Ipteks Bagi Masyarakat

Optimizing GC3N4 Synthesis For Enhanced Photocatalytic Degradation Of Organic Pollutants

MUHAMMADIN HAMID , INDAH REVITA SARAGI , NURSAL
