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Andy Candra, S.Si., M.Si. was born in Tebing Tinggi on June 12, 1985. Currently, he is a Chemistry lecturer at Universitas Sumatera Utara. He completed his last education at the Master's level.

Publications

2026
Prosiding seminar internasional

Facile In-situ Biosynthesis of Silver Nanocompositebased Bacterial Cellulose Derived from Coffee Kombucha Consortium for Cell-attachment

ANDY CANDRA , Hsieh-Chih Tsai

2026
Jurnal internasional bereputasi

Enhanced Fuel Cell Performance with Robust Pyridinium-DerivativeFunctionalized SBS Triblock Copolymer Anion-Exchange Membranes

ANDY CANDRA , Beyadgalem Endawoke Anley , Yohannis Wondwosen Ahmed , Afandy Yusuf , Sintayehu Leshe Kitaw , Darieo Thankachan , Mahvash Hira Khan , Hsieh-Chih Tsai

2025
Jurnal internasional bereputasi

Impact of honey-enriched soursop leaves (Annona muricata) kombucha on lipid profiles and hypoglycemic properties: An in-vivo study

Haile Fentahun Darge , ANDY CANDRA

2025
Jurnal internasional bereputasi

Synergistic local delivery of gemcitabine and resiquimod (R848) via Janus micelles encapsulated in a dual-responsive hydrogel for subcutaneous glioblastoma treatment models

ANDY CANDRA , Yohannis Wondwosen Ahmed , Tsung-Yun Wu , Sintayehu Leshe Kitaw , Beyadgalem Endawoke Anley , Dario Thankachan , Zhen Xiang Hong , Shun-Hao Chuang , Mahvash Hira Khan , Haile Fentahun Darge , Kuan-Ju Chen , Hao-Ming Chang , Chun-Chiang Huang , Jun-Sheng Wang , Yu-Shuan Chen , Hsieh-Chih Tsai

2025
Jurnal nasional terakreditasi

Raman Spectroscopic Analysis of Cu-Ag-In-S/CdSe Core/Shell Quantum Dots Grown on Mesoporous TiO2 Substrates

ANDY CANDRA , SITI UTARI RAHAYU

2024
Jurnal internasional bereputasi

An advanced plasmonic bimetallic nanostar composite for ultra-sensitive SERS detection of crystal violet

ANDY CANDRA

2024
Jurnal internasional bereputasi

Cu-mediated broadening of the absorption band of quaternary Cu-Ag-In-S/CdSe type-II core/shell quantum dot-sensitized solar cells with an efficiency

of 12.51% under 0.25 sun

SITI UTARI RAHAYU , ANDY CANDRA , Jen-Bin Shi , Ming-Way Lee

2024
Jurnal internasional bereputasi

A green method for fabrication of a biocompatible gold-decorated-bacterial cellulose nanocomposite in spent coffee grounds kombucha: A sustainable approach for augmented wound healing

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2024
Jurnal internasional bereputasi

Fabrication of polydopamine functionalized AgNF SERS substrate: Applications for sensitive detection of nivalenol in food samples and cell biocompatibility

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2023
Jurnal internasional bereputasi

Honey utilization in soursop leaves (Annona muricata) kombucha: Physicochemical, cytotoxicity, and antimicrobial activity

ANDY CANDRA

2023
Jurnal internasional bereputasi

Fabrication of Ag nanostar and PEI-based SERS substrate for sensitive and rapid detection of SO2: Application for detection of sulfite residues in beer

ANDY CANDRA

2022
Jurnal internasional bereputasi

ANTIMICROBIAL ACTIVITY AND PHYSICAL PROPERTIES OF CHITOSAN-AREN SEED (Arenga Pinnata) STARCH EDIBLE FILM

ANDY CANDRA , MIMPIN GINTING , JAMARAN KABAN

2022
Jurnal internasional bereputasi

Green solvent enhanced mechanical extraction of palm kernel oil

ANDY CANDRA , EKO K SITEPU , FIRMAN SEBAYANG , JULIATI BR TARIGAN , EMMA ZAIDAR

2022
Buku referensi

Film Pelapis Kitosan-Pati Biji Aren (Arenga Pinnata) Sebagai Kemasan Fillet Ikan Salmon

ANDY CANDRA

2021
Prosiding seminar internasional

Potential of crude protease from Mengkudu (Morinda citrifolia) fruit on extraction of Virgin Coconut Oil

EMMA ZAIDAR , ANDY CANDRA

2021
Prosiding seminar internasional

Potential of crude protease from Mengkudu (Morinda citrifolia) fruit on extraction of Virgin Coconut Oil

EMMA ZAIDAR , ANDY CANDRA

Researches

2020
Penelitian Dosen Pemula

Ekstraksi minyak inti kelapa sawit dengan pelarut hijau (green solvent)

ANDY CANDRA , EKO K SITEPU

Community Services

2024

Pengembangan Potensi Praktik IPA di Kelas SD Negeri 173637 Narumonda: Program Penyuluhan dan Pemberian Alat Kit

ANDY CANDRA , SITI UTARI RAHAYU , EGA DHIA HAFIZAH , MUNADIYA , DAVID WIRANASETIO , PUTRI KHARI ANI PURBA

Intellectual Property Rights

2026

Paten nasional

MINUMAN FERMENTASI BERBASIS DAUN SIRSAK (Annona muricata Merr.) SEBAGAI AGEN HIPOGLIKEMIK DAN PERBAIKAN PROFIL LIPID

ANDY CANDRA , nur aini