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Reaction Engineering and...

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Catalysis

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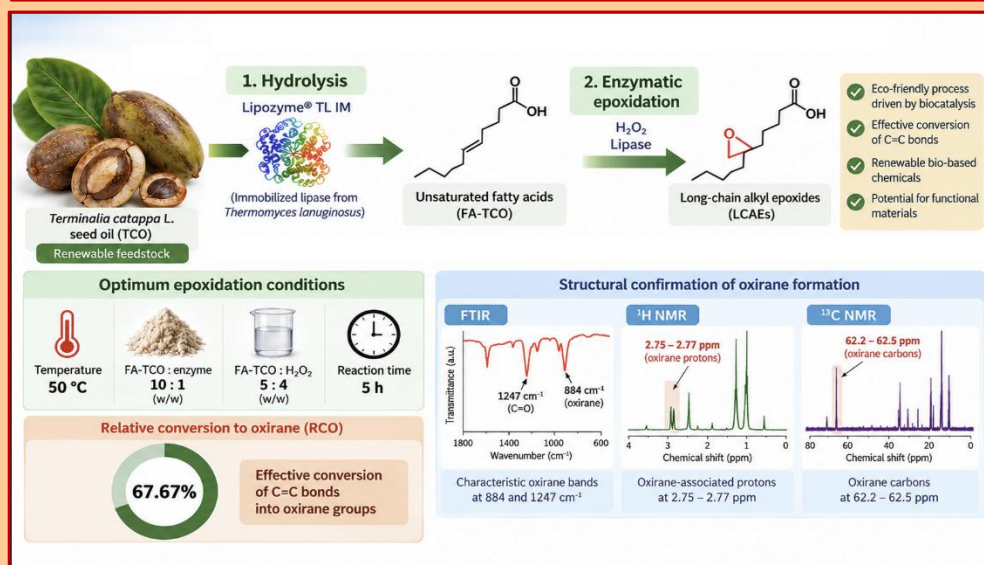
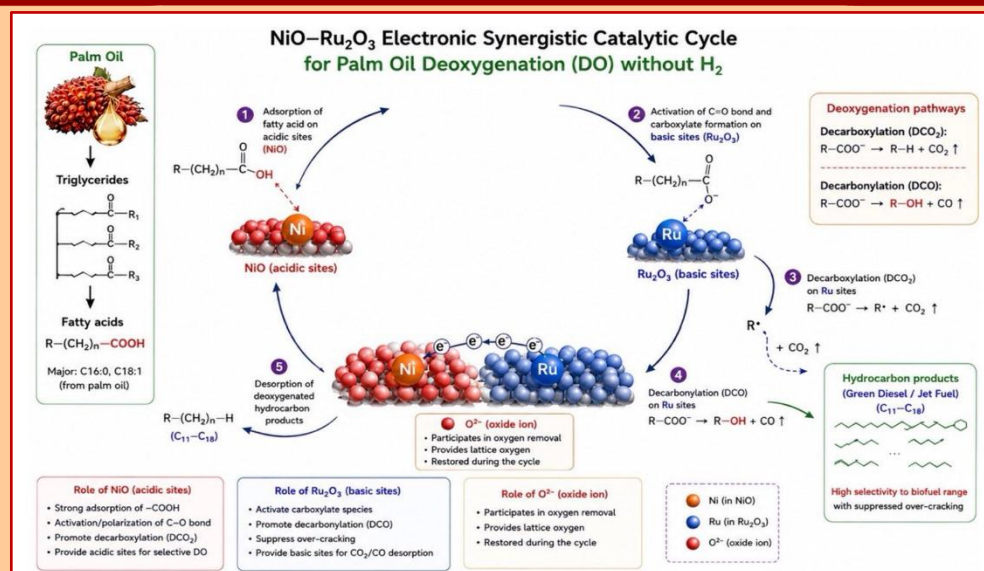


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Bulletin of Chemical Reaction Engineering & Catalysis, an international journal, provides a forum for publishing the novel technologies related to the catalyst, catalysis, chemical reactor, kinetics, and chemical reaction engineering. Scientific articles dealing with the following topics in chemical reaction engineering, catalysis science, and engineering, catalyst preparation method and characterization, novel innovation of chemical reactor, kinetic studies, etc. are particularly welcome. However, articles concerned on the general chemical engineering process development are not covered and out of the scope of this journal.

This journal encompasses *Original Research Articles*, *Review Articles*, and *Short Communications*, including: fundamentals of catalyst and catalysis; fundamentals of chemical reaction engineering; kinetics studies of chemical reaction engineering; materials and nano-materials for catalyst; photocatalyst and photocatalysis; chemistry of catalyst and catalysis; applied chemical reaction engineering; applied catalysis; applied bio-catalysis; applied bio-reactor; membrane bioreactor; chemical reactor design (not process parameter optimization); catalyst regeneration; catalyst deactivation; surface chemistry of catalyst; bio-catalysis; enzymatic catalytic reaction (not process parameter optimization); kinetic studies of enzymatic reaction (not process parameter optimization); the industrial practice of catalyst; the industrial practice of chemical reactor engineering; application of plasma technology in catalysis and chemical reactor; and advanced technology for chemical reactors.

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PUBLICATION INFORMATION

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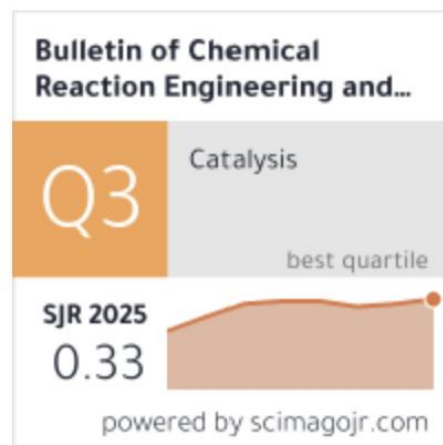
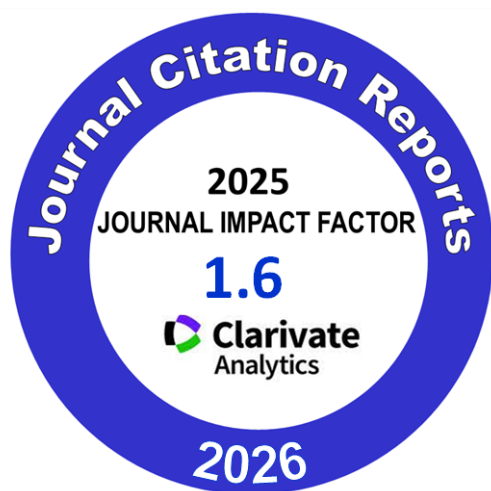
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JOURNAL METRIC ANALYSIS (2026)

- * Scopus ID : 19900191860
- * SJR 2025 : 0.333 (increased from 0.300)
- * Quartile SJR 2025 : Q3
- * CiteScore 2025 : 3.0
- * Percentile CiteScore 2025 : 43th
- * Quartile CiteScore 2025 : Q3
- * Journal Impact Factor 2025 (JIF-WoS) : 1.6 (increased from 1.3)
- * Number of Citations 2025 (WoS) : 937 citations (increased from 780 citations)
- * Quartile JIF-WoS 2025 : Q3
- * SNIP 2025 : 0.400
- * Journal Citation Indicator 2025 (JCI-WoS) : 0.23 (increased from 0.21)
- * Quartile JCI-WoS 2025 : Q3



CiteScore 2025

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- [1] Matande, J. B., Basir, D. N., Taba, P., Fauziah, S., Kasim, S., Natsir, H., Khairunnur, S., Risnawati, R. (2026). Synthesis and Characterization of Zeolite–Chitosan Composite from North Toraja Montmorillonite Mineral: Kinetic and Isotherm Study for Cu²⁺ Metal Ion Adsorption. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 760-780. DOI: <https://doi.org/10.9767/bcrec.20730>
- [2] Romdlon, A. S., Prananto, Y. P., Ulfa, S. M. (2026). Effect of SiO₂, ZrO₂, and SiO₂-ZrO₂ Supports on Product Distribution in Glucose Hydrogenolysis over Cu-Ni-WO_x Catalysts. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 781-797. DOI: <https://doi.org/10.9767/bcrec.20724>
- [3] Adhi, T. P., Dwiyasni, H. P., Susiloputri, M., Reynard, R., Khoiruddin, K., Wenten, I. G. (2026). Membrane-Assisted Cell Retention for Intensified Continuous Bioethanol Production. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 798-811. DOI: <https://doi.org/10.9767/bcrec.20737>
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- [5] Ali, K. I., Abbas, J. A. (2026). Hydrothermal Synthesis of Fe-doped Bi₂O₃ Nanoparticles for Rapid Photocatalytic Degradation of Methylene Blue. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 825-839. DOI: <https://doi.org/10.9767/bcrec.20754>
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- [7] Permata, S. I., Fatimah, I., Nurlaela, N., Hamidah, Z., Sagadevan, S., Kamari, A., Oh, W., Roy, D., Doong, R. (2026). Potential Conversion of Chicken Bone Waste into Fe₂O₃-Functionalized Hydroxyapatite Photocatalyst. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 851-862. DOI: <https://doi.org/10.9767/bcrec.20778>
- [8] Ulfa, M., Alba, Y. J., Indriyanti, N. Y., Nurhayati, N. D., Saputro, A. C. (2026). Eco-Friendly Activation of Fe₂O₃/GSBA-15 Using Tamarindus indica Pulp Extract for Enhanced Adsorptive Removal of Methylene Blue and Methyl Orange from Contaminated Water. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 863-876. DOI: <https://doi.org/10.9767/bcrec.20757>
- [9] Jazeel, I. A., Hassan, A. F., Aldoghachi, A., Al-Doghachi, F. A. J., Mohamad, S., Yun Hin, T. (2026). Deoxygenation of Palm Oil into Hydrocarbon-Rich Fuels over Date Seeds Supported a Bimetallic Ni-Ru Catalyst. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 877-894. DOI: <https://doi.org/10.9767/bcrec.20780>
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- [12] Setyaningsih, L., Sarto, S., Hidayat, M., Ariyanto, T. (2026). Influence of Calcination Temperature on Fe-Biomass Carbon Catalysts for Levofloxacin Fenton Degradation. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 932-946. DOI: <https://doi.org/10.9767/bcrec.20758>
- [13] Bezzerrouk, M. A., Akriche, A., Kharroubi, B., Hattabi, I., Giovannelli, F., Pignon, B., Naceur, R., Bousmaha, M. (2026). Stacking-Order-Dependent Interfacial Synergy in ZnO/SnO₂ and SnO₂/ZnO Heterostructured Nanofilms for Enhanced Photocatalytic, Sonocatalytic and Antibacterial Activities. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 947-960. DOI: <https://doi.org/10.9767/bcrec.20794>
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- [15] Suhendra, D., Gunawan, E. R., Murniati, M., Liana, B. N. H., Kusmiati, E. (2026). Synthesis of Long-Chain Alkyl Epoxides via Chemoenzymatic Epoxidation of Fatty Acids of Terminalia catappa L. Oil. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 976-988. DOI: <https://doi.org/10.9767/bcrec.20836>
- [16] Saviola, A. J., Trisunaryanti, W., Syoufian, A., Salmayanti, U. K., Saputri, W. D., Amin, A. K., Wijaya, K. (2026). Potential Application of Plant-Mediated Zirconia by Hydrothermal Method for Microwave-Assisted Bio-Jet Fuel Production. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 989-1006. DOI: <https://doi.org/10.9767/bcrec.20823>
- [17] Madani, H., Saepurahman, S., Adiwibowo, M. T., Kurniawan, T., Pramudita, M., Rusdi, R. (2026). SnO₂-x/TiO₂ Photocatalysts for Dye Removal Under Visible Light: Effect of Sn²⁺:Sn⁴⁺ Ratio on Defect Formation. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 1007-1017. DOI: <https://doi.org/10.9767/bcrec.20798>
- [18] Sukarta, I. N., Sastrawidana, I. D. K., Rachmawati, D. O. (2026). Phytochemical-Mediated Green Synthesis of ZnO/Hydroxyapatite Nanocomposite from Shallot Peel Extract and Seashell Waste for Visible-Light-Assisted Photocatalytic Degradation of Remazol Red RB Textile Dye. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 1018-1031. DOI: <https://doi.org/10.9767/bcrec.20812>
- [19] Omar, B. A., Abd Rahman, N. J., Harun, F. W., Radzi, S. M., Rosly, N. Z. (2026). Optimization of Biodiesel Production from Waste Cooking Oil over a Magnetic Fe-Zr Nanocatalyst. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 1032-1043. DOI: <https://doi.org/10.9767/bcrec.20764>
- [20] Bao, T. M., Hung, N. H., Truong, P. X., Nghia, N. H., Tam, L. N. P., Tien, N. T. C., Khoa, T. V. A., Minh, N. T., Huy, N. N. (2026). Synthesis of CuZnFe-LDH for Peroxymonosulfate Activation toward Reactive Blue 19 Degradation and Application in Real Textile Wastewater Treatment. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 1044-1061. DOI: <https://doi.org/10.9767/bcrec.20784>
- [21] Mahene, W. L., Machunda, R. L., Buckman, T. A., Salifu, A. A., Kivevele, T. (2026). Textural Properties and Surface Chemistry of Rice Husk-Derived Biochar and Bio-silica Supports in Ni-Catalyzed Oleic Acid Deoxygenation. *Bulletin of Chemical Reaction Engineering & Catalysis*, 21 (4), 1062-1079. DOI: <https://doi.org/10.9767/bcrec.20690>