

DAFTAR PUSTAKA

- Abebe, B., Murthy, H.C.A., and Amare, E., 2018, Summary on Adsorption and Photocatalysis for Pollutant Remediation: Mini Review, *J. Encapsulation Adsorpt. Sci.*, 08, 225–255.
- Ahile, U.J., Wuana, R.A., Itodo, A.U., Sha’Ato, R., and Dantas, R.F., 2020a, A Review on The Use of Chelating Agents as An Alternative to Promote Photo-Fenton at Neutral pH: Current Trends, Knowledge Gap and Future Studies, *Sci. Total Environ.*, 710, 134872.
- Ahile, U.J., Wuana, R.A., Itodo, A.U., Sha’Ato, R., and Dantas, R.F., 2020b, Stability of Iron Chelates During Photo-Fenton Process: The Role of pH, Hydroxyl Radical Attack and Temperature, *J. Water Process Eng.*, 36, 101320.
- Ahile, U.J., Wuana, R.A., Itodo, A.U., Sha’Ato, R., Malvestiti, J.A., and Dantas, R.F., 2021, Are Iron Chelates Suitable to Perform Photo-Fenton at Neutral pH for Secondary Effluent Treatment?, *J. Environ. Manage.*, 278, 111566.
- Ahmari, H., Zeinali Heris, S., and Hassanzadeh Khayyat, M., 2016, Photo Catalytic Degradation of Linear Alkylbenzene Sulfonic Acid, *Res. Chem. Intermed.*, 42, 6587–6606.
- Apelblat, A., 2014, Citric Acid Chemistry,. In, *Citric Acid.*, pp. 213–266.
- Askari, A., Vahabzadeh, F., and Mardanpour, M.M., 2021a, Quantitative determination of linear alkylbenzene sulfonate (LAS) concentration and simultaneous power generation in a microbial fuel cell-based biosensor, *J. Clean. Prod.*, 294, 126349.
- Askari, A., Vahabzadeh, F., and Mardanpour, M.M., 2021b, The Identification and Performance Assessment of Dominant Bacterial Species During Linear Alkylbenzene Sulfonate (LAS)-Biodegradation in A Bioelectrochemical System, *Bioprocess Biosyst. Eng.*, 44, 2579–2590.
- Asok, A.K. and Jisha, M.S., 2012, Biodegradation of The Anionic Surfactant Linear Alkylbenzene Sulfonate (LAS) by Autochthonous Pseudomonas sp., *Water. Air. Soil Pollut.*, 223, 5039–5048.
- Audino, F., Conte, L.O., Schenone, A.V., Pérez-Moya, M., Graells, M., and Alfano, O.M., 2021, Correction to: A Kinetic Study for The Fenton and Photo-Fenton Paracetamol Degradation in An Annular Photoreactor, *Environ. Sci. Pollut. Res.*, 28, 44580.
- Badmus, S.O., Amusa, H.K., Oyehan, T.A., and Saleh, T.A., 2021, Environmental Risks and Toxicity of Surfactants: Overview of Analysis, Assessment, and

Remediation Techniques, *Environ. Sci. Pollut. Res.*, 28, 62085–62104.

- Bai, Y., Wu, D., Wang, W., Chen, P., Tan, F., Wang, X., Qiao, X., and Wong, P.K., 2021, Dramatically Enhanced Degradation of Recalcitrant Organic Contaminants in MgO₂/Fe(III) Fenton-Like System by Organic Chelating Agents, *Environ. Res.*, 192, 110242.
- Banner, W., Yin, S., Burns, M.M., Lucas, R., Reynolds, K.M., and Green, J.L., 2020, Clinical Characteristics of Exposures to Liquid Laundry Detergent Packets, *Hum. Exp. Toxicol.*, 39, 95–110.
- Barambu, N.U., Peter, D., Yusoff, M.H.M., Bilad, M.R., Shamsuddin, N., Marbelia, L., Nordin, N.A.H., and Jaafar, J., 2020, Detergent and Water Recovery from Laundry Wastewater using Tilted Panel Membrane Filtration System, *Membranes (Basel)*, 10, 1–9.
- Bertrand-Krajewski, J.L., 2018, Pharmaceuticals and detergents in hospital and urban wastewater: comparative monitoring, treatment, and assessment of impacts, *Environ. Sci. Pollut. Res.*, 25, 9195–9196.
- Bokare, A.D. and Choi, W., 2014, Review of Iron-Free Fenton-Like Systems for Activating H₂O₂ in Advanced Oxidation Processes, *J. Hazard. Mater.*, 275, 121–135.
- Bulin, C.D., Suratman, A., and Roto, 2018, Validation of Analytical Method Determination of Sodium Dodecyl Benzene Sulfonate (DBS) in Catfish (*Clarias batrachus* L.) by Spectrophotometric Using Methylene Blue, *J. Appl. Chem. Sci.*, 5, 414–417.
- Burlachenko, A.S., Salishcheva, O. V., Dyshlyuk, L.S., and Prosekov, A.Y., 2021, Investigation of The Kinetic Regularities of The Process of Biodegradation of Betaine Surfactant by Bacteria of The Genus *Pseudomonas*, *Appl. Sci.*, 11, 1–9.
- Chauhan, S. and Sharma, K., 2014, Effect of Temperature and Additives on The Critical Micelle Concentration and Thermodynamics of Micelle Formation of Sodium Dodecyl Benzene Sulfonate and Dodecyltrimethylammonium Bromide in Aqueous Solution: A Conductometric Study, *J. Chem. Thermodyn.*, 71, 205–211.
- Checa-Fernandez, A., Santos, A., Romero, A., and Dominguez, C.M., 2021, Application of Chelating Agents to Enhance Fenton Process in Soil Remediation: A Review, *Catalysts*, 11, 1–43.
- Cheng, M., Zeng, G., Huang, D., Lai, C., Xu, P., Zhang, C., and Liu, Y., 2016, Hydroxyl Radicals Based Advanced Oxidation Processes (AOPs) for Remediation of Soils Contaminated with Organic Compounds: A review,

Chem. Eng. J., 284, 582–598.

Clarizia, L., Russo, D., Di Somma, I., Marotta, R., and Andreozzi, R., 2017, Homogeneous Photo-Fenton Processes at Near Neutral pH: A Review, *Appl. Catal. B Environ.*, 209, 358–371.

Collivignarelli, M.C., Carnevale Miino, M., Baldi, M., Manzi, S., Abbà, A., and Bertanza, G., 2019, Removal of Non-ionic and Anionic Surfactants from Real Laundry Wastewater by Means of A Full-scale Treatment System, *Process Saf. Environ. Prot.*, 132, 105–115.

Corona, R.R.B., Sad, C.M.S., da Silva, M., Lopes, D.L., Leite, J.S.D., Glória, G.M., Gonçalves, G.R., Filgueiras, P.R., and de Castro, E.V.R., 2021, Adsorption of anionic surfactant in graphite oxide: A study for treatment of laundry wastewater, *J. Environ. Chem. Eng.*, 9, .

Cortes, J.G. and Dantas, R.F., 2019, Optimization of Photo-Fenton to Work at Neutral pH Using NTA–Fe²⁺, *Desalin. Water Treat.*, 169, 287–293.

Cowan-Ellsberry, C., Belanger, S., Dorn, P., Dyer, S., Mcavoy, D., Sanderson, H., Versteeg, D., Ferrer, D., and Stanton, K., 2014, Environmental safety of the use of major surfactant classes in North America, *Crit. Rev. Environ. Sci. Technol.*, 44, 1893–1993.

Delforno, T.P., Belgini, D.R.B., Hidalgo, K.J., Centurion, V.B., Lacerda-Júnior, G. V., Duarte, I.C.S., Varesche, M.B.A., and Oliveira, V.M., 2020, Anaerobic Reactor Applied to Laundry Wastewater Treatment: Unveiling the Microbial Community by Gene and Genome-Centric Approaches, *Int. Biodeterior. Biodegrad.*, 149, 104916.

Doan, T.H.Y., Le, T.T., Nguyen, T.M.T., Chu, T.H., Pham, T.N.M., Nguyen, T.A.H., and Pham, T.D., 2021, Simultaneous Adsorption of Anionic Alkyl Sulfate Surfactants onto Alpha Alumina Particles: Experimental Consideration and Modeling, *Environ. Technol. Innov.*, 24, 101920.

Dou, J., Alpert, P.A., Corral Arroyo, P., Luo, B., Schneider, F., Xto, J., Huthwelker, T., Borca, C.N., Henzler, K.D., Raabe, J., Watts, B., Herrmann, H., Peter, T., Ammann, M., and Krieger, U.K., 2021, Photochemical Degradation of Iron(III) Citrate/Citric Acid Aerosol Quantified with The Combination of Three Complementary Cxperimental Techniques and a Kinetic Process Model, *Atmos. Chem. Phys.*, 21, 315–338.

García, A.B.E., Szymanski, K., Mozia, S., and Perez, J.A.S., 2021, Treatment of Laundry Wastewater by Solar Photo-Fenton Process at Pilot Plant Scale, *Environ. Sci. Pollut. Res.*, 8576–8584.

Gautam, A., Kshirsagar, A., Biswas, R., Banerjee, S., and Khanna, P.K., 2016,

Photodegradation of Organic Dyes Based on Anatase and Rutile TiO₂ Nanoparticles, *RSC Adv.*, 6, 2746–2759.

Geravandi, S., Mohammadi, S., and Khayatian, G., 2019, A Green Microextraction Method for Determination of Sodium Dodecyl Sulfate in Washing Liquid Samples Based on Continuous Sample Drop Flow-Based Microextraction, *J. Iran. Chem. Soc.*, 16, 1863–1870.

Gervais, C., Grissom, C.A., Little, N., and Wachowiak, M.J., 2010, Cleaning Marble with Ammonium Citrate, *Stud. Conserv.*, 55, 164–176.

Giannakis, S., Rtimi, S., and Pulgarin, C., 2017, Light-assisted Advanced Oxidation Processes for The Elimination of Chemical and Microbiological Pollution of Wastewaters in Developed and Developing Countries, *Molecules*, 22, 1–20.

Hadi, M.I., Agustina, E., Andiarna, F., Nadlir, N., and Munir, M., 2019, Pengaruh Kompleks Linier Alkyl Benzene Sulfonate (LAS) dan Kadmium (Cd) terhadap Peningkatan Akumulasi, Absorpsi dan Toksisitas Kadmium (Cd) pada *Cyprinus carpio* L., *Al-Ard J. Tek. Lingkung.*, 4, 28–35.

Hamd, W.S. and Dutta, J., 2020, Heterogeneous Photo-Fenton Reaction and Its Enhancement Upon Addition of Chelating Agents,. In, *Nanomaterials for the Detection and Removal of Wastewater Pollutants*. Elsevier Inc., pp. 303–330.

Hawthorne, K.L., Wainright, J.S., and Savinell, R.F., 2014, Studies of Iron-Ligand Complexes for an All-Iron Flow Battery Application, *J. Electrochem. Soc.*, 161, A1662–A1671.

He, D.Q., Luo, H.W., Huang, B.C., Qian, C., and Yu, H.Q., 2016, Enhanced Dewatering of Excess Activated Sludge Through Decomposing its Extracellular Polymeric Substances by A Fe@Fe₂O₃-Based Composite Conditioner, *Bioresour. Technol.*, 218, 526–532.

Heller, A., Barkleit, A., Foerstendorf, H., Tsushima, S., Heim, K., and Bernhard, G., 2012, Curium(III) Citrate Speciation in Biological Systems: A Europium(III) Assisted Spectroscopic and Quantum Chemical Study, *Dalt. Trans.*, 41, 13969–13983.

Hu, Y., Li, Y., He, J., Liu, T., Zhang, K., Huang, X., Kong, L., and Liu, J., 2018, EDTA-Fe(III) Fenton-Like Oxidation for The Degradation of Malachite Green, *J. Environ. Manage.*, 226, 256–263.

Huang, X., Hou, X., Zhao, J., and Zhang, L., 2016, Hematite Facet Confined Ferrous Ions as High Efficient Fenton Catalysts to Degrade Organic Contaminants by Lowering H₂O₂ Decomposition Energetic Span, *Appl. Catal. B Environ.*, 181, 127–137.

Jariyanorasade, A. and Junyapoon, S., 2018, Factors affecting the degradation of

- linear alkylbenzene sulfonate by TiO₂ assisted photocatalysis and its kinetics, *EnvironmentAsia*, 11, 45–60.
- Jiang, Z., Wang, L., Lei, J., Liu, Y., and Zhang, J., 2019, Photo-Fenton Degradation of Phenol by CdS/rGO/Fe²⁺ at Natural pH with In Situ-Generated H₂O₂, *Appl. Catal. B Environ.*, 241, 367–374.
- Joseph, C.G., Farm, Y.Y., Yap, Y.H.T., Pang, C.K., Nga, J.L.H., and Puma, G.L., 2021, Ozonation Treatment Processes for The Remediation of Detergent Wastewater: A Comprehensive Review, *J. Environ. Chem. Eng.*, 9, .
- Kalal, S., Singh Chauhan, N.P., Ameta, N., Ameta, R., Kumar, S., and Punjabi, P.B., 2014, Role of Copper Pyrovanadate as Heterogeneous Photo-Fenton Like Catalyst for The Degradation of Neutral Red and Azure-B: An Eco-Friendly Approach, *Korean J. Chem. Eng.*, 31, 2183–2191.
- Kaletka, J. and Elektorowicz, M., 2013, The Removal of Anionic Surfactants from Water in Coagulation Process, *Environ. Technol. (United Kingdom)*, 34, 999–1005.
- Khorsandi, H., Mohammadi, A., Kariminejad, F., Haghghi, M., Karimzadeh, S., Khorsandi, J., and Aghapour, A.A., 2016, Optimizing Linear Alkyl Benzene Sulfonate Removal Using Fenton Oxidation Process in Taguchi Method, *J. Water Chem. Technol.*, 38, 266–272.
- Kishimoto, N. and Hamamoto, S., 2020, Removal of Linear Alkylbenzene Sulfonate (LAS) by A Cetyltrimethylammonium Bromide (CTAB)-Aided Coagulation-Filtration Process, *Environ. Technol. (United Kingdom)*, 43, 815–823.
- Kohantorabi, M., Giannakis, S., Gholami, M.R., Feng, L., and Pulgarin, C., 2019, A systematic Investigation on The Bactericidal Transient Species Generated by Photo-Sensitization of Natural Organic Matter (NOM) During Solar and Photo-Fenton Disinfection of Surface Waters, *Appl. Catal. B Environ.*, 244, 983–995.
- Lee, H.J., Lee, H., and Lee, C., 2014, Degradation of Diclofenac and Carbamazepine by The Copper(II)-Catalyzed Dark and Photo-Assisted Fenton-Like Systems, *Chem. Eng. J.*, 245, 258–264.
- Li, H., Yang, Y., Gao, J., Li, X., Zhou, Z., Wang, N., Du, P., Zhang, T., and Feng, J., 2020, Degradation of Sodium Dodecyl Benzenesulfonate by Vacuum Ultraviolet Irradiation, *J. Water Process Eng.*, 34, 101172.
- Li, X., Chen, L., Li, Q., Zhang, J., Zhang, X., and Chen, L., 2016, Structural Characteristics and Interfacial Relaxation of Nanocomposites Based on Polystyrene and Modified Layered Double Hydroxides, *Colloid Polym. Sci.*,

294, 815–822.

- Ling, L., Zhang, D., Fan, C., and Shang, C., 2017, A Fe(II)/Citrate/UV/PMS Process for Carbamazepine Degradation at a Very Low Fe(II)/PMS Ratio and Neutral pH: The Mechanisms, *Water Res.*, 124, 446–453.
- Maryani, Y. and Kustiningsih, I., 2015, Determination and Characterization of Photocatalytic Products of Linear Alkyl Sulphonate by High Performance Liquid Chromatography and Nuclear Magnetic Resonance, *Procedia Chem.*, 17, 216–223.
- Masalvad, S.K.S. and Sakare, P.K., 2020, Application of Photo Fenton Process for Treatment of Textile Congo-Red Dye Solution, *Mater. Today Proc.*, 46, 5291–5297.
- Miranzadeh, M.B., Zarjam, R., Dehghani, R., Haghghi, M., Badi, H.Z., Marzaleh, M.A., and Tehrani, A.M., 2016, Comparison of Fenton and Photo-Fenton Processes for Removal of Linear Alkyl Benzene Sulfonate (LAS) from Aqueous Solutions, *Polish J. Environ. Stud.*, 25, 1639–1648.
- Mitru, D., Lucaciu, I., Nita-Lazar, M., Covaliu, C.I., Nechifor, G., Moga, I.C., Marin, B., and Paun, I., 2020, Impact of Various Surfactant Classes on The Microorganism Community Used for WWTP Biodegradation Treatment, *Rom. J. Ecol. Environ. Chem.*, 2, 210–220.
- Muniyan, R., Varatharajan, S., Naz, S., Nandicoori, V.K., and Gurunathan, J., 2017, Allium Sativum Linn. Contains Linear Alkylbenzene Sulfonates That Alter Membrane Fluidity for The Inhibition of Mycobacterium Tuberculosis H37RA, *Asian J. Pharm. Clin. Res.*, 10, 100–111.
- Ni, X., Li, Z., and Wang, Y., 2018, Adsorption Characteristics of Anionic Surfactant Sodium Dodecylbenzene Sulfonate on The Surface of Montmorillonite Minerals, *Front. Chem.*, 6, 1–10.
- Ni, X., Zhao, Z., Li, Z., and Li, Q., 2021, The Adsorptive Behaviour of Kaolinite to Sodium Dodecyl Benzene Sulphonate and The Structural Variation of Kaolinite, *Sci. Rep.*, 11, 1–9.
- Nunes, R.F. and Teixeira, A.C.S.C., 2022, An Overview on Surfactants as Pollutants of Concern: Occurrence, Impacts and Persulfate-based Remediation Technologies, *Chemosphere*, 300, 134507.
- O’Dowd, K. and Pillai, S.C., 2020, Photo-Fenton Disinfection at Near Neutral pH: Process, Parameter Optimization and Recent Advances, *J. Environ. Chem. Eng.*, 8, 104063.
- Ou, X., Zhang, F., Zhang, C., Zou, X., Bi, X., and Wang, D., 2019, Photodegradation of Malachite Green Catalyzed by Aqueous Iron (III)-Citrate

- Complex : Roles of Iron (II) and Hydrogen Peroxide, *ChemistrySelect*, 4, 2089–2094.
- Palmer, M. and Hatley, H., 2018, The Role of Surfactants in Wastewater Treatment: Impact, Removal and Future Techniques: A Critical Review, *Water Res.*, 147, 60–72.
- Patil, V. V, Gogate, P.R., Bhat, A.P., and Ghosh, P.K., 2020, Separation and Purification Technology Treatment of Laundry Wastewater Containing Residual Surfactants Using Combined Approaches Based on Ozone, Catalyst and Cavitation, *Sep. Purif. Technol.*, 239, 116594.
- Perini, J.A.L., Tonetti, A.L., Vidal, C., Montagner, C.C., and Nogueira, R.F.P., 2018, Simultaneous Degradation of Ciprofloxacin, Amoxicillin, Sulfathiazole and Sulfamethazine , and Disinfection of Hospital Effluent After Biological Treatment via photo-Fenton Process Under Ultraviolet Germicidal Irradiation, *Appl. Catal. B Environ.*, 224, 761–771.
- Pouran, R.S., Raman, A.A., and Daud, W.M.A., 2014, Review on The Application of Modified Iron Oxides as Heterogeneous Catalysts in Fenton Reactions, *J. Clean. Prod.*, 64, 24–35.
- Raheb, I. and Manlla, M.S., 2021, Kinetic and Thermodynamic Studies of The Degradation of Methylene Blue by Photo-Fenton Reaction, *Heliyon*, 7, e07427.
- Ramcharan, T. and Bissessur, A., 2016, Analysis of Linear Alkylbenzene Sulfonate in Laundry Wastewater by HPLC-UV and UV-Vis Spectrophotometry, *J. Surfactants Deterg.*, 19, 209–218.
- Ranji, H., Babajanzadeh, B., and Sherizadeh, S., 2019, Detergents and Surfactants: a Brief Review, *Open Access J. Sci.*, 3, 94–99.
- Ratri, M.C., 2017, Pencemaran Sodium Dodecylbenzene Sulfonate (Sdbs) Pada Ikan Air Tawar: Penentuan Akumulasi Dan Monitoring Pencemaran, *J. Pharm. Sci. Community*, 14, 43–54.
- Rebello, S., Asok, A.K., Mundayoor, S., and Jisha, M.S., 2013, Surfactants : Chemistry, Toxicity and Remediation,. In, *Pollutant Diseases, Remediation and Recycling.*, pp. 277–320.
- Rebello, S., Disease, C., John, E.M., and Shanavas, J., 2013, Anionic Surfactant Toxicity and Bioremediation,. In, *Environmental Microbiology: Techniques & Applications School of Biosciences.*, pp. 1–25.
- Renaud, F., Warnau, M., Oberhänsli, F., Teyssié, J.L., Temara, A., Rouleau, C., and Metian, M., 2014, Bioconcentration of The Anionic Surfactant Linear Alkylbenzene Sulfonate (LAS) in The Marine Shrimp Palaemonetes Varians:

A Radiotracer Study, *Mar. Pollut. Bull.*, 85, 244–247.

- Riella, L.V., Golla, S., Dogaru, G., Renke, H.G., and Christopher, K., 2009, Renal Cortical Necrosis Complicating Laundry Detergent Ingestion, *NDT Plus*, 2, 40–42.
- Rodrigues-Silva, F., Lemos, C.R., Naico, A.A., Fachi, M.M., do Amaral, B., de Paula, V.C.S., Rampon, D.S., Beraldi-Magalhães, F., Prola, L.D.T., Pontarolo, R., de Freitas, A.M., and Liz, M. V., 2022, Study of Isoniazid Degradation by Fenton and photo-Fenton processes, By-products Analysis and Toxicity Evaluation, *J. Photochem. Photobiol. A Chem.*, 425, 1–8.
- Ruales-Lonfat, C., Barona, J.F., Sienkiewicz, A., Vélez, J., Benítez, L.N., and Pulgarín, C., 2016, Bacterial Inactivation with Iron Citrate Complex: A New Source of Dissolved Iron in Solar Photo-Fenton Process at Near-Neutral and Alkaline pH, *Appl. Catal. B Environ.*, 180, 379–390.
- Ruíz-Delgado, A., Roccamante, M.A., Oller, I., Agüera, A., and Malato, S., 2019, Natural Chelating Agents from Olive Mill Wastewater to Enable Photo-Fenton-Like Reactions at Natural pH, *Catal. Today*, 328, 281–285.
- Sabrina, A., 2021, Pengaruh Penambahan Garam Dinatrium Etilen Diamin Tetra Asetat (Na₂EDTA) terhadap Kinerja Proses Fenton pada pH 7 dalam Penghilangan Linier Alkilbenzena Sulfonat dari Air Limbah Laundry,.
- Serna-Galvis, E.A., Vélez-Peña, E., Osorio-Vargas, P., Jiménez, J.N., Salazar-Ospina, L., Guaca-González, Y.M., and Torres-Palma, R.A., 2019, Inactivation of Carbapenem-Resistant *Klebsiella pneumoniae* by Photo-Fenton: Residual Effect, Gene Evolution and Modifications with Citric Acid and Persulfate, *Water Res.*, 161, 354–363.
- Shukla, A., Bhat, S.D., and Pillai, V.K., 2016, Simultaneous Unzipping and Sulfonation of Multi-Walled Carbon Nanotubes to Sulfonated Graphene Nanoribbons for Nanocomposite Membranes in Polymer Electrolyte Fuel Cells, *J. Memb. Sci.*, 520, 657–670.
- Tang, J. and Wang, J., 2018, Metal Organic Framework with Coordinatively Unsaturated Sites as Efficient Fenton-like Catalyst for Enhanced Degradation of Sulfamethazine, *Environ. Sci. Technol.*, 52, 5367–5377.
- Villegas-Guzman, P., Giannakis, S., Torres-Palma, R.A., and Pulgarin, C., 2017, Remarkable Enhancement of Bacterial Inactivation in Wastewater Through Promotion of Solar Photo-Fenton at Near-Neutral pH by Natural Organic Acids, *Appl. Catal. B Environ.*, 205, 219–227.
- Vukosav, P., Mlakar, M., and Tomišić, V., 2012, Revision of Iron(III)-Citrate Speciation in Aqueous Solution. Voltammetric and Spectrophotometric

Studies, *Anal. Chim. Acta*, 745, 85–91.

- Wahyuni, E.T., Roto, R., Sabrina, M., Anggraini, V., Leswana, N.F., and Vionita, A.C., 2016, Photodegradation of Detergent Anionic Surfactant in Wastewater Using UV/TiO₂/H₂O₂ and UV/Fe²⁺/H₂O₂ Processes, *Am. J. Appl. Chem.*, 4, 174.
- Weiss, M., Denger, K., Huhn, T., and Schleheck, D., 2012, Two Enzymes of A Complete Degradation Pathway for Linear Alkylbenzenesulfonate (LAS) Surfactants: 4-Sulfoacetophenone Baeyer-Villiger Monooxygenase and 4-Sulfophenylacetate Esterase in *Comamonas Testosteroni* KF-1, *Appl. Environ. Microbiol.*, 78, 8254–8263.
- Xiao, K., Pei, K., Wang, H., Yu, W., Liang, S., Hu, J., Hou, H., Liu, B., and Yang, J., 2018, Citric Acid Assisted Fenton-Like Process for Enhanced Dewaterability of Waste Activated Sludge with In-Situ Generation of Hydrogen Peroxide, *Water Res.*, 140, 232–242.
- Yargıç, A.Ş. and Ozbay, N., 2016, Fenton and Photo-Fenton Degradation of Reaktoset Brilliant Orange/P-2R and Telon Turquoise/M-GGL Dyes: Effect of Operating Parameters and Kinetic Study, *Int. J. Adv. Res. Chem. Sci.*, 3, .
- Yaseen, Z.M., Zigale, T.T., Tiyasha, D, R.K., Salih, S.Q., Awasthi, S., Tung, T.M., Al-Ansari, N., and Bhagat, S.K., 2019, Laundry Wastewater Treatment Using a Combination of Sand Filter, Bio-char and Teff Straw Media, *Sci. Rep.*, 9, 1–11.
- Zeng, B., Zhang, P., Zheng, M., Xiao, N., Han, J., Wang, C., Wang, Z., and Zhao, Z., 2019, Detection and Identification of The Oxidizing Species Generated from The Physiologically Important Fenton-Like Reaction of Iron(II)-Citrate with Hydrogen Peroxide, *Arch. Biochem. Biophys.*, 668, 39–45.
- Zhang, M. hui, Dong, H., Zhao, L., Wang, D. xi, and Meng, D., 2019, A Review on Fenton Process for Organic Wastewater Treatment Based on Optimization Perspective, *Sci. Total Environ.*, 670, 110–121.
- Zhang, Y., Han, C., Zhang, G., Dionysiou, D.D., and Nadagouda, M.N., 2015, PEG-Assisted Synthesis of Crystal TiO₂ Nanowires with High Specific Surface Area for Enhanced Photocatalytic Degradation of Atrazine, *Chem. Eng. J.*, 268, 170–179.