CURRICULLUM VITAE

A. IDENTITY

1	Name (with title)	:	Dr. Eng. Irwan Kurnia, S.Si., M.T.
2	Date and Place of Birth	:	Bandung, January 18th ,1987
3	Academic Position	:	Assistant Professor
4	Name of Research Group	:	Functional Material Chemistry
5	Office Address	:	Jl. Raya Bandung-Sumedang KM. 21 Jatinangor, Sumedang 45363, Indonesia
6	Email Address	:	irwan.kurnia@unpad.ac.id
7	Employee ID number	:	198701182021093001
8	Professional Organisation	:	RSC
9	Scopus *h*-index	:	8

B. Education

No	Degree	Institution	Year of Graduation
1	Bachelor degree	Chemistry, Universitas Padjadjaran	2019
2	Master degree	Chemical Engineering, Institut Teknologi Bandung	2013
3	Doctoral degree	Graduate School of Science and Technology, Hirosaki University	2020

C. Research and Grants in the Past 5 Years

No.	Year	Project Title	Grant and Funder's Name
1	2022	The Modification of Activated Carbon by Thermal Oxidation to Enhance Its Adsorption Performance	RPLK, Universitas Padjadjaran
2	2022	Development of Sensor and Biosensor in Food, Medical and Environmental Application	ALG, Universitas Padjadjaran
3	2021	The Application of Ozone-Modified Activated Carbon for Dye Adsorption	RPLK, Universitas Padjadjaran

D. Scientific Publication in the Past 5 Years

No	Title	*Journal Name/Quartile*	Volume (Year) Page No.
1	Low-interference norepinephrine signal on dopamine detection using nafion-coated boron doped diamond electrodes	*Biosensors and Bioelectronics*	220 (2023) 114892
2	Recent advances in hydroxyapatite-based electrochemical biosensors: Applications and future perspectives	*Sensing and Bio-Sensing Research*	38 (2022) 100542
3	Iron (II) removal using activated silica/lignin composite: kinetic and equilibrium studies	*Jurnal Kimia Valensi*	8 (2022) 85-91
4	Adsorptive removal and photocatalytic decomposition of cationic dyes on niobium oxide with deformed orthorhombic structure	*Journal of Hazardous Materials*	415 (2021) 125635
5	Preparation of various hierarchical HZSM-5 based catalysts for in-situ fast upgrading of bio-oil	*Renewable Energy*	169 (2021) 283-292
6	Synthesis of p-menthane-3,8-diol from citronellal over lignin-derived carbon acid catalysts	*New Journal of Chemistry*	44 (2020) 10441-10447
7	Full spectrum decomposition of formic acid over γ-Mo_2N-based catalysts: from dehydration to dehydrogenation	*ACS Catalysis*	10 (2020) 5353–5361
8	Catalytic pyrolysis of wasted fishing net over calcined scallop shells: Analyical Py-GC/MS study	*Journal of Analytical and Applied Pyrolysis*	146 (2019) 104750
9	In-situ catalytic upgrading of bio-oils derived from fast pyrolysis of cellulose, hemicellulose, and lignin over various zeolites	*Journal of the Japan Institute of Energy*	98 (2019) 254-258
10	Hydrolysis of cellulose and woody biomass over sustainable weak-acid carbon catalysts from alkaline lignin	*Fuel Processing Technology*	196 (2019) 106175

No	Title	*Journal Name/Quartile*	Volume (Year) Page No.
11	Utilization of dealkaline lignin as a source of sodium-promoted MoS_2/Mo_2C hybrid catalysts for hydrogen production from formic acid	*ACS Sustainable Chemistry & Engineering*	7 (2019) 8670–8677
12	Catalytic upgrading of bio-oils over high-alumina zeolites	*Renewable Energy*	136 (2019) 1304-1310
13	Bifunctional Mg-Cu-loaded β-zeolite: high selectivity for the conversion of furfural into monoaromatic compounds	*ChemCatChem*	10 (2018) 3564-3575
14	Selective deoxygenation of carboxylic acids to BTXs over Cu/β-zeolite prepared by ethylene glycol-assisted impregnation,	*Catalysis Communications*	110 (2018) 33-37
15	*In-situ* catalytic upgrading of bio-oil derived from fast pyrolysis of lignin over high aluminum zeolites	*Fuel Processing Technology*	167 (2017) 730-737

E. Books in the Past 5 Years

No	Title	Year	Publisher
1			

F. Patents in the Past 5 Years

No	Title	Year	Patent Number
1	Development of Metal Foam Catalyst for Low Molecular Weight Lignin	2021	2021-001016 (Submitted)

G. Community Service in the Past 5 Years

No	Year	Title
1	2022	Water Treatment Processing of Ground Water to be Clean Water
2	2022	Training of Halal and Thayib Food Processing: Cold Pressed Juice of Vegetables and Fruits
3	2022	The Introduction of Aerosol Can Waste Management
4	2022	The Usage Technique of Vacuum Machine Sealer for Wet and Dry Food Preservation
5	2021	The Introduction of Natural Food Preservative

H. Journal Reviewer/Editor in the Last 5 Years

No	Name of Journal	Reviewer/Editor	Year
1	*Chimica et Natura Acta*	Editor	2022
2	*Chimica et Natura Acta*	Reviewer	2021
3	Bulletin of The Chemical Society of Ethiopia	Reviewer	2019