

CURRICULLUM VITAE

A. IDENTITY

1	Name (with title)	:	Prof. Dr. R. Ukun MS Soedjanaatmadja, MSi
2	Date and Place of Birth	:	Ciamis, October 28, 1952
3	Academic Position	:	Professor
4	Name of Research Group	:	Biology Molecular of Health and Food and Protein Functional Chemistry
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9	Scopus <i>h</i> -index	:	7

B. Education

No	Degree	Institution	Year of Graduation
1	Bachelor degree	Chemistry; Universitas Padjadjaran	1980
2	Master degree	Biochemistry; Institute Technology Bandung (ITB)	1991
3	Doctoral degree	Biochemistry; ITB-RUG (Sandwich Program)	1998

C. Research and Grants in the Past 5 Years

No.	Year	Project Title	Grant and Funder's Name
1	2022	Utilization of red algae and <i>Momordica charantia</i> as natural sources of phytohormones (auxin, cytokinin, giberelin) for biostimulant formulation that can improve the quality and quantity of agricultural products, especially for food and horticulture plants	Higher Education Excellence Basic Research (PDUPT)-Ministry of Education and Culture Research and Technology (year-3)

2	2021	Optimization, production, in-silico tests, and physico-chemical properties tests of gadolinium(iii)-diethylenetriamine pentaacetate (Gd-DTPA) gadolinium(iii)-diethylentriamine pentaacetate-human serum albumin (Gd-DTPA-HSA) and Gd-DTPA-Folate as a targeted magnetic resonance imaging contrast agent For the diagnosis of cancer	Academic Leaderships Grant Universitas Padjadjaran
3	2021	Utilization of red algae and <i>Momordica charantia</i> as natural sources of phytohormones (auxin, cytokinin, giberelin) for biostimulant formulation that can improve the quality and quantity of agricultural products, especially for food and horticulture plants	Higher Education Excellence Basic Research (PDUPT)-Ministry of Education and Culture Research and Technology (year-2)
4	2020	Optimization, production, in-silico tests, and physico-chemical properties tests of gadolinium(iii)-diethylenetriamine pentaacetate (Gd-DTPA) gadolinium(iii)-diethylentriamine pentaacetate-human serum albumin (Gd-DTPA-HSA) and Gd-DTPA-Folate as a targeted magnetic resonance imaging contrast agent For the diagnosis of cancer	Academic Leaderships Grant Universitas Padjadjaran
5	2020	Albumin, as a Therapeutic Protein: Potential Source, Application, Isolation and Purification	Article Review Grants, Unpad
6	2020	Utilization of red algae and <i>Momordica charantia</i> as natural sources of phytohormones (auxin, cytokinin, giberelin) for biostimulant formulation that can improve the quality and quantity of agricultural	Higher Education Excellence Basic Research (PDUPT)-Ministry of Education and Culture Research and Technology (year-1)

		products, especially for food and horticulture plants	
7	2020	Determination of significant parameters and optimization production of virgin coconut oil using <i>Neurospora sitophila</i> , <i>Lactobacillus plantarum</i> and papain.	Master's Thesis Grant, Ministry of Education and Culture Research and Technology
8	2019	Optimization, production, in-silico tests, and physico-chemical properties tests of gadolinium(iii)-diethylen triamine pentaacetate (Gd-DTPA) gadolinium(iii)-diethylentriamine pentaacetate-human serum albumin (Gd-DTPA-HSA) and Gd-DTPA-Folate as a targeted magnetic resonance imaging contrast agent For the diagnosis of cancer	Academic Leaderships Grant Universitas Padjadjaran
9	2018	Optimization, production, in-silico tests, and physico-chemical properties tests of gadolinium(iii)-diethylen triamine pentaacetate (Gd-DTPA) gadolinium(iii)-diethylentriamine pentaacetate-human serum albumin (Gd-DTPA-HSA) and Gd-DTPA-Folate as a targeted magnetic resonance imaging contrast agent For the diagnosis of cancer	Academic Leaderships Grant Universitas Padjadjaran

D. Scientific Publication in the Past 5 Years

No	Title	Journal Name/Quartile	Volume, Number, Year
1	Isolation, purification, and characterization of auxin from red algae (<i>Eucheuma spinosum</i>) and its application in cayenne pepper	<i>Bulgarian Journal of Agricultural Science</i> , Q3	28 (6); 1088–1098, 2022

	(<i>Capsicum frutescens</i> L.) plants		
2	Nutritional content and the activities of L-Dopa(L-3,4-dihydroxyphenylalanine) from <i>Mucuna pruriens</i> L. DC seeds of Central Java accession	<i>Arabian Journal of Chemistry</i> Q1	16 ; 104390, 2022
3	Isolation and Characterization of Gibberellin (GA-3) from Banana Blossom of <i>Musa balbisiana</i> Colla and Effect of The Isolate Addition on The Growth of Soybean (<i>Glycine max</i>) Plant	<i>Research Journal of Chemistry and Environment</i> Q4	26 (11); 28-37, 2022
4	Selection of the Parameters in the Synthesis of Ethylenediamine-Folate Using the Plackett Burman Design	<i>Indones. J. Chem.</i> Q3	22 (3); 599 - 608, 2022
5	Refolding of bioactive human epidermal growth factor from <i>E. coli</i> BL21(DE3) inclusion bodies & evaluations on its <i>in vitro</i> & <i>in vivo</i> bioactivity	<i>Heliyon</i> Q1	8, e09306, 2022
6	Modeling and Molecular Dynamic Simulation of F(ab') ₂ Fragment of Nimotuzumab for Lung Cancer Diagnostic.	<i>Bioinformatics and Biology Insights</i> Q1	15 ; 1–7, 2021

7	In Silico Studies of Gadolinium(III)-Diethylene Triamine Pentaacetic Acid Folic Acid Study and Its Modification of Folate Receptors as a Contrast Compound for Cancer Detection.	<i>Chimica et Natura Acta</i> Sinta 4	9(3): 90-97, 2021
8	Expression of human serum albumin in <i>Pichia pastoris</i> protease deficient host and conjugation with gadolinium-diethylene triamine pentaacetate for application as a contrast agent.	<i>Journal of Applied Pharmaceutical Science.</i> Q2	11(12):183-195. DOI: 10.7324/JAPS.2021.1101218, 2021.
9	Exploring the Potency of <i>Nigella sativa</i> seed in Inhibiting SARS-CoV-2 Main Protease Using Molecular Docking and Molecular Dynamics Simulations.	<i>Indones. J. Chem.</i> Q3	21 (5):1252 – 1262. DOI: 10.22146/ijc.65951, 2021
10	Albumin, as a Therapeutic Protein: Potential Source, Application, Isolation and Purification	<i>International Journal Research of Pharmaceutical Sciences.</i> Q4	12(3); 1922-1931
11	Determination of significant parameters and optimization production of virgin coconut oil using <i>Neurospora sitophila</i> , <i>Lactobacillus plantarum</i> and papain.	<i>Journal of Pharmaceutical Sciences.</i> Q4	11(4); 6123-6135, 2020
12	<i>Escherichia coli</i> BL21 (DE3) expression system using TorA	<i>Int.J.Res.Pharm.Sci.</i> Q4	10(4); 3319-3324, 2019

	signal peptide for recombinant Human Albumin (rHA) secretion.		
13	Comprehensive thermodynamic and structural study of hevein.	<i>J. Chem. Thermodynamics</i> Q1	131 ; 168-173. 2019
14	Effect of cocoa bean fermentation using <i>Kluyveromyces</i> sp. <i>Lactobacillus plantarum</i> , <i>Acetobacter xylinum</i> , enzymes papain and romelain and cysteine on flavor precursors and their nutrient and polyphenol content.	<i>Chimica et Natura Acta.</i> Sinta 4	6(3) ; 127-135, 2018
15	Temperature effects on separation of Gd ³⁺ from Gd-DTPA-folate using nanofiltration method	J. Phys.: Conf. Ser. Q4	1013 , 012197, 2018
16	Comparison of different methods for purification of gold nanoparticles-polyamid oamine (PAMAM) generation-4 dendrimer.	<i>Journal of Chemistry and Environment</i> Q3	22(1) ; 225-259. 2018
17	Alga merah (<i>Gracilaria coronopifolia</i> sebagai sumber fitohormon sitokinin yang potensial. Red Algae (<i>Gracilaria coronopifolia</i>) as a potential source of	<i>Chimica et Natura Acta.</i> Sinta4	5(1) ; 124-131.2017

	cytokinin Phytohormones.		
18	Comparison characteristics of different synthesis methods for production of gadolinium diethylenetriaminepentaacetate-folate. 7th. Int'l Conf. On Innovations in Chemical, Biological, Environmental and Food Sciences (ICBEFS-17). Aug.3-4. Pattaya-Thailand.	7th. Int'l Conf. On Innovations in Chemical, Biological, Environmental and Food Sciences (ICBEFS-17). Aug.3-4. Pattaya-Thailand.	2017
19	Study of 4th generation Polyaminedoamine dendrimer (PAMAM) as a template for in-silico formation of gold nanoparticles.	<i>J. Pharm. Chem.</i> Sinta4	4(1); 36-42. 2017
20	Application of Plackett-Burman experimental design and Box-Behnken Response Surface Methodology to the production of gadolinium diethylenetriamine pentaacetate-folate Magnetic Resonance Imaging Contrast Agent.	<i>Chimica et Natura Acta.</i> Sinta4	5(1);1-8, 2017

E. Books in the Past 5 Years

No		Year	Publisher
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1	Sustainable Natural Resource Governance; Indonesia's Transformation Towards Years of 2045 Chapters 18 Pathogenesis Related (PR)-Protein and Productivity of Agricultural Products	2022	Unpad Press
2	Laboratory Manual for Experiments in Chemistry III A	2022	Unpad Press
3.	LOGAM TANAH JARANG Sumbernya di Alam, Pemisahan, Pemurnian, Produksi, dan Penelitian. Aplikasinya dalam Pengembangan Senyawa Pengontras Pencitraan Resonansi Magnet (<i>Magnetic Resonance Imaging Contrast Agent</i>) Serta Material Fungsional Lainnya (RARE EARTH METALS Source in Nature, Separation, Refining, Production, and Research. Its Application in the Development of Magnetic Resonance Imaging Contrast Agents and Other Functional Materials)	2021	Unpad Press
4	Safety aspect of recombinant protein produced by <i>Escherichia coli</i> :Toxin evaluation with strain and genomic approach.	2020	Book Chapter. Intech-Open Publisher UK. 1-12. DOI: http://dx.doi.org/10.5772/Intech-open-92031 .
5	Red Algae: potential source of phytohormones. Chapter-2, Book chapter; <i>In A Closer Look at Hormones</i> . Chapter-2 ISBN: 978-1-53617-254-6.	2020	Nova Science Publisher, Inc. New York. P.55-74.
6	FITOHORMON ; Fungsi dan Peranannya dalam Metabolisme serta Pertumbuhan dan Perkembangan Tanaman (PHYTHORMONES ; Its function	2017	ALQAPRINT

	and role in metabolism and plant growth and development)		
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F. Patents in the Past 5 Years

No	Title	Year	Patent Number
1	LABORATORY MANUAL FOR EXPERIMENTS IN CHEMISTRY IIIA	Agustus 2022	Copyright iEC00202252258, 10
2	The process of making a biostimulant formula to accelerate Growth in the vegetative phase and the generative phase of Food crops and horticulture	2022	Draft Proposed Patent
3	Proses pembuatan senyawa pengontras gd-dtpa-folatUntuk magnetic resonance imaging	2018	Proposed Patent

G. Community Service in the Past 5 Years

No	Year	Title
1	2022	Community service to Students Around the Jatinangor Campus "INTRODUCTION TO BREAD-MAKING BIOTECHNOLOGICAL PRODUCTS"
2	2021	Community service in Cisempur village, Jatinangor - Sumedang district, cultivating catfish on a narrow area (used drums) as an economic source and animal protein during the pandemic
3	2021	Community service to community of RW 07 Cisempur Village, Jatinangor District, Sumedang Regency "INTRODUCTION OF BIOTECHNOLOGICAL PRODUCTS THAT USE FOR HEALTH YOGURT MAKING"
3	2020	Community service to Students Around the Jatinangor Campus I"NTRODUCTION TO BREAD-MAKING BIOTECHNOLOGICAL PRODUCTS"

No	Year	Title
4	2019	Community service to students of Madrasah Aliyah Daarul Hufadz, introduction of biotechnology products that are useful for health ; “yogurt making”
5	2019	Cultivation of Patin-fish and Catfish as a potential source of albumin for health applications; in the Jatinangor Region

H. Journal Reviewer/Editor in the Last 5 Years

No	Name of Journal	Reviewer/Editor	Year
1	Qeios · ISSN 2632-3834	Review of: Saponins and their synergistic antibacterial activity with traditional antibiotics against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> :	2022
2	Biotechnology Letters Q2	High-level expression of soluble human epidermal growth factor in <i>Escherichia coli</i>	2022
3	Egyptian Journal of Chemistry Q3	An Overview of Culture Conditions for Recombinant Protein Expression in <i>Escherichia coli</i>	2021
4	Chimica et Natura Acta Sinta4	Produksi dan Pemurnian Human Epidermal Growth Factor (hEGF) Rekombinan Menggunakan Metode Heat Treatment,	2019

		fraksionasi amonium sulfat dan kromatografi filtrasi gel"	
5	ATOM-Indonesia-Batan Q4	Occupational and patient doses in Interventional cardiology in indonesia: A preliminary result	2019
6	ATOM-Indonesia-Batan Q4	Early Lung Cancer Detection Using Artificial Neural Network	2019
7	ATOM-Indonesia-Batan Q4	Evaluation of Kidney Dose In Neuro Endocrine Tumours patients after Peptide Receptor Radionuclide Therapy using ¹⁷⁷ Lu-Dotatate	2019
8	ATOM-Indonesia-Batan Q4	Molybdenum-99 (99Mo) Adsorption Profile of Zirconia-Based Materials For 99Mo/99mTc Generator Application	2019
9	ATOM-Indonesia-Batan Q4	The Performance of Batch Anaerobic Co-digestion under Different Salt Concentrations	2019