

# Ammu K Radhakrishnan

## List of Publications by Year in descending order

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95  
papers

2,677  
citations

201385

27  
h-index

205818

48  
g-index

101  
all docs

101  
docs citations

101  
times ranked

3811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Poloxamer 188 (P188), A Potential Polymeric Protective Agent for Central Nervous System Disorders: A Systematic Review. <i>Current Neuropharmacology</i> , 2022, 20, 799-808.	1.4	7
2	Investigating Genetic and Other Determinants of First-Onset Myocardial Infarction in Malaysia: Protocol for the Malaysian Acute Vascular Events Risk Study. <i>JMIR Research Protocols</i> , 2022, 11, e31885.	0.5	1
3	Transitioning pre-clinical glioblastoma models to clinical settings with biomarkers identified in 3D cell-based models: A systematic scoping review. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112396.	2.5	6
4	Identification of blood-based biomarkers for diagnosis and prognosis of Parkinson's disease: A systematic review of proteomics studies. <i>Ageing Research Reviews</i> , 2022, 73, 101514.	5.0	7
5	Tocotrienols protect differentiated SH-SY5Y human neuroblastoma cells against 6-hydroxydopamine-induced cytotoxicity by ameliorating dopamine biosynthesis and dopamine receptor D2 gene expression. <i>Nutrition Research</i> , 2022, 98, 27-40.	1.3	5
6	Clinical characteristics, cytokine profiles and plasma IgE in adults with asthma. <i>Molecular Immunology</i> , 2022, 143, 50-57.	1.0	1
7	6-Hydroxydopamine Induces Neurodegeneration in Terminally Differentiated SH-SY5Y Neuroblastoma Cells via Enrichment of the Nucleosomal Degradation Pathway: a Global Proteomics Approach. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1026-1046.	1.1	6
8	Therapeutic potential of palm oil vitamin E-derived tocotrienols in inflammation and chronic diseases: Evidence from preclinical and clinical studies. <i>Food Research International</i> , 2022, 156, 111175.	2.9	16
9	Unravelling the neuroprotective mechanisms of carotenes in differentiated human neural cells: Biochemical and proteomic approaches. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100088.	0.9	5
10	Biomarkers Regulated by Lipid-Soluble Vitamins in Glioblastoma. <i>Nutrients</i> , 2022, 14, 2873.	1.7	1
11	Medical students' orientation toward lifelong learning in an outcome-based curriculum and the lessons learnt. <i>Medical Teacher</i> , 2021, 43, S6-S11.	1.0	11
12	Ratite oils for local transdermal therapy of 4-OH tamoxifen: development, characterization, and <i>in vivo</i> evaluation. <i>Journal of Liposome Research</i> , 2021, 31, 217-229.	1.5	9
13	Effects of Probiotics on Anxiety, Stress, Mood and Fitness of Badminton Players. <i>Nutrients</i> , 2021, 13, 1783.	1.7	16
14	Tocotrienols Ameliorate Neurodegeneration and Motor Deficits in the 6-OHDA-Induced Rat Model of Parkinsonism: Behavioural and Immunohistochemistry Analysis. <i>Nutrients</i> , 2021, 13, 1583.	1.7	16
15	Evaluating Anticancer and Immunomodulatory Effects of <i>Spirulina (Arthrospira) platensis</i> and Gamma-Tocotrienol Supplementation in a Syngeneic Mouse Model of Breast Cancer. <i>Nutrients</i> , 2021, 13, 2320.	1.7	9
16	Reduced infiltration of regulatory T cells in tumours from mice fed daily with gamma-tocotrienol supplementation. <i>Clinical and Experimental Immunology</i> , 2021, 206, 161-172.	1.1	6
17	Gamma-tocotrienol modifies methylation of HOXA10, IRF4 and ROR $\gamma$ genes in CD4 <sup>+</sup> T-lymphocytes: Evidence from a syngeneic mouse model of breast cancer. <i>Current Research in Immunology</i> , 2021, 2, 169-174.	1.2	1
18	Clinically Relevant Genes and Proteins Modulated by Tocotrienols in Human Colon Cancer Cell Lines: Systematic Scoping Review. <i>Nutrients</i> , 2021, 13, 4056.	1.7	4

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19	Ambroxol Hydrochloride Loaded Gastro-Retentive Nanosuspension Gels Potentiate Anticancer Activity in Lung Cancer (A549) Cells. <i>Gels</i> , 2021, 7, 243.	2.1	14
20	Development, Characterization, and Evaluation of Î±-Mangostin-Loaded Polymeric Nanoparticle Gel for Topical Therapy in Skin Cancer. <i>Gels</i> , 2021, 7, 230.	2.1	21
21	Advancing the Role of Gamma-Tocotrienol as Proteasomes Inhibitor: A Quantitative Proteomic Analysis of MDA-MB-231 Human Breast Cancer Cells. <i>Biomolecules</i> , 2020, 10, 19.	1.8	16
22	Influence of serum concentration in retinoic acid and phorbol ester induced differentiation of SH-SY5Y human neuroblastoma cell line. <i>Molecular Biology Reports</i> , 2020, 47, 8775-8788.	1.0	9
23	Linear versus Branched Peptide with Same Amino Acid Sequence for Legumain-Targeting in Macrophages: Targeting Efficiency and Bioimaging Potential. <i>ChemistrySelect</i> , 2020, 5, 9911-9919.	0.7	2
24	Efficacy of Emu Oil Transfersomes for Local Transdermal Delivery of 4-OH Tamoxifen in the Treatment of Breast Cancer. <i>Pharmaceutics</i> , 2020, 12, 807.	2.0	19
25	A Novel Method to Identify Autoantibodies against Putative Target Proteins in Serum from beta-Thalassemia Major: A Pilot Study. <i>Biomedicines</i> , 2020, 8, 97.	1.4	5
26	Nose to brain delivery of rotigotine loaded chitosan nanoparticles in human SH-SY5Y neuroblastoma cells and animal model of Parkinson's disease. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119148.	2.6	91
27	Red palm olein supplementation on cytokines, endothelial function and lipid profile in centrally overweight individuals: a randomised controlled trial. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 609-616.	1.3	3
28	Tocotrienols Modulate Breast Cancer Secretomes and Affect Cancer-Signaling Pathways in MDA-MB-231 Cells: A Label-Free Quantitative Proteomic Analysis. <i>Nutrition and Cancer</i> , 2019, 71, 1263-1271.	0.9	6
29	Relationship between various cytokines implicated in asthma. <i>Human Immunology</i> , 2019, 80, 755-763.	1.2	24
30	Investigation of the curative effects of palm vitamin E tocotrienols on autoimmune arthritis disease in vivo. <i>Scientific Reports</i> , 2019, 9, 16793.	1.6	20
31	Palm Tocotrienol-Adjuvanted Dendritic Cells Decrease Expression of the SATB1 Gene in Murine Breast Cancer Cells and Tissues. <i>Vaccines</i> , 2019, 7, 198.	2.1	2
32	Bioactive Compounds: Natural Defense Against Cancer?. <i>Biomolecules</i> , 2019, 9, 758.	1.8	98
33	Fabrication, Optimization, and Evaluation of Rotigotine-Loaded Chitosan Nanoparticles for Nose-To-Brain Delivery. <i>Pharmaceutics</i> , 2019, 11, 26.	2.0	93
34	Development of an institutional assessment framework. <i>Medical Education</i> , 2018, 52, 572-573.	1.1	1
35	Effects of 25-Hydroxyvitamin D and vitamin D-binding protein on bone mineral density and disease activity in Malaysian patients with rheumatoid arthritis. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 992-1000.	0.9	9
36	Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 295-310.	1.4	86

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37	Current Concepts of Neurodegenerative Mechanisms in Alzheimer's Disease. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	113
38	Lipid based nanocarriers system for topical delivery of photosensitizers. <i>Drug Discovery Today</i> , 2017, 22, 1274-1283.	3.2	50
39	Health-promoting effects of red palm oil: evidence from animal and human studies. <i>Nutrition Reviews</i> , 2017, 75, 98-113.	2.6	65
40	APOPTOSIS GENE NETWORK REGULATED BY DELTA-TOCOTRIENOL IN K562 CHRONIC MYELOID LEUKAEMIA CELLS. <i>Journal of Oil Palm Research</i> , 2017, 29, 251-261.	2.1	2
41	Protective effects of quercetin glycosides, rutin, and isoquercitrin against 6-hydroxydopamine (6-OHDA)-induced neurotoxicity in rat pheochromocytoma (PC-12) cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2016, 29, 30-39.	1.0	66
42	Effect of orally administered soy milk fermented with <i>Lactobacillus plantarum</i> LAB12 and physical exercise on murine immune responses. <i>Beneficial Microbes</i> , 2015, 6, 491-496.	1.0	13
43	Protective Mechanisms of Flavonoids in Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	1.9	113
44	Review: Beta-thalassemia and molecular chaperones. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 348-352.	0.6	9
45	Modulatory effects of mesenchymal stem cells on leucocytes and leukemic cells: A double-edged sword?. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 55, 351-357.	0.6	8
46	Quercetin Glycosides Induced Neuroprotection by Changes in the Gene Expression in a Cellular Model of Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 609-617.	1.1	51
47	Selective anti-cancer effects of palm phytonutrients on human breast cancer cells. <i>RSC Advances</i> , 2015, 5, 1745-1753.	1.7	10
48	Antihyperglycemic Effects of <i>Nephelium lappaceum</i> Rind Extract in High Fat-Induced Diabetic Rats. <i>International Journal of Pharmacology</i> , 2015, 11, 542-551.	0.1	8
49	Anti-inflammatory effects of <i>Polygonum minus</i> (Huds) extract (Lineminus <sup>®</sup> , <sup>©</sup> ) in in-vitro enzyme assays and carrageenan induced paw edema. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 355.	3.7	32
50	Effect of $\delta^3$ -tocotrienol in counteracting oxidative stress and joint damage in collagen-induced arthritis in rats. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1408-1414.	0.8	26
51	Therapeutic Efficacy of Vitamin E $\delta^3$ -Tocotrienol in Collagen-Induced Rat Model of Arthritis. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	21
52	In vivo toxicity evaluation of a standardized extract of <i>Syzygium aqueum</i> leaf. <i>Toxicology Reports</i> , 2014, 1, 718-725.	1.6	28
53	Protective effects of flavonol isoquercitrin, against 6-hydroxy dopamine (6-OHDA) - induced toxicity in PC12 cells. <i>BMC Research Notes</i> , 2014, 7, 49.	0.6	58
54	Tocotrienols promote apoptosis in human breast cancer cells by inducing poly(ADP-ribose) polymerase cleavage and inhibiting nuclear factor $\kappa$ B activity. <i>Cell Proliferation</i> , 2013, 46, 203-213.	2.4	50

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55	Effect of Spirulina (Arthrospira) Supplementation on the Immune Response to Tetanus Toxoid Vaccination in a Mouse Model. <i>Journal of Dietary Supplements</i> , 2013, 10, 229-240.	1.4	9
56	Rutin, a bioflavonoid antioxidant protects rat pheochromocytoma (PC-12) cells against 6-hydroxydopamine (6-OHDA)-induced neurotoxicity. <i>International Journal of Molecular Medicine</i> , 2013, 32, 235-240.	1.8	90
57	Supplementation with Natural Forms of Vitamin E Augments Antigen-Specific TH1-Type Immune Response to Tetanus Toxoid. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	28
58	Single Nucleotide Polymorphism in the Promoter of the Human Interleukin-13 Gene Is Associated with Asthma in Malaysian Adults. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	7
59	Amelioration of Collagen-Induced Arthritis in Female Dark Agouti Rats by Glucosamine Treatment. <i>ISRN Pharmacology</i> , 2013, 2013, 1-7.	1.6	6
60	Ethnic differences in the prognostic utility of rheumatoid factor isotypes and anticyclic citrullinated peptides in rheumatoid arthritis patients: a cross-sectional study. <i>Modern Rheumatology</i> , 2013, 23, 716-721.	0.9	3
61	Tocotrienol-Adjuvanted Dendritic Cells Inhibit Tumor Growth and Metastasis: A Murine Model of Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e74753.	1.1	19
62	Ethnic differences in the prognostic utility of rheumatoid factor isotypes and anticyclic citrullinated peptides in rheumatoid arthritis patients: a cross-sectional study. <i>Modern Rheumatology</i> , 2013, 23, 716-721.	0.9	2
63	Delta- and Gamma-Tocotrienols Induce Classical Ultrastructural Apoptotic Changes in Human T Lymphoblastic Leukemic Cells. <i>Microscopy and Microanalysis</i> , 2012, 18, 462-469.	0.2	16
64	Tocotrienol research: past into present. <i>Nutrition Reviews</i> , 2012, 70, 483-490.	2.6	83
65	Comparing the Ability of Freshly Generated and Cryopreserved Dendritic Cell Vaccines to Inhibit Growth of Breast Cancer in a Mouse Model. <i>BioResearch Open Access</i> , 2012, 1, 239-246.	2.6	9
66	Colostrum supplementation protects against exercise - induced oxidative stress in skeletal muscle in mice. <i>BMC Research Notes</i> , 2012, 5, 649.	0.6	15
67	Palm tocotrienols decrease levels of pro-angiogenic markers in human umbilical vein endothelial cells (HUVEC) and murine mammary cancer cells. <i>Genes and Nutrition</i> , 2012, 7, 53-61.	1.2	43
68	Rambutan rind in the management of hyperglycemia. <i>Food Research International</i> , 2011, 44, 2278-2282.	2.9	51
69	The prevalence of rheumatoid factor isotypes and anti-cyclic citrullinated peptides in Malaysian rheumatoid arthritis patients. <i>International Journal of Rheumatic Diseases</i> , 2011, 14, 12-17.	0.9	14
70	An Effective Ostrich Oil Bleaching Technique Using Peroxide Value as an Indicator. <i>Molecules</i> , 2011, 16, 5709-5719.	1.7	12
71	Effects of supplementation with tocotrienol-rich fraction on immune response to tetanus toxoid immunization in normal healthy volunteers. <i>European Journal of Clinical Nutrition</i> , 2011, 65, 63-69.	1.3	51
72	Modulation of C-reactive protein and tumour necrosis factor-alpha in collagen-induced arthritis in Dark Agouti rats: impact of collagen concentration on severity of arthritis. <i>Inflammation Research</i> , 2011, 60, 897-907.	1.6	3

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73	Tocotrienol-treated MCF-7 human breast cancer cells show down-regulation of API5 and up-regulation of MIG6 genes. <i>Cancer Genomics and Proteomics</i> , 2011, 8, 19-31.	1.0	13
74	A comparative histopathological study of systemic candidiasis in association with experimentally induced breast cancer. <i>Oncology Letters</i> , 2010, 1, 215-222.	0.8	9
75	Tocotrienols are good adjuvants for developing cancer vaccines. <i>BMC Cancer</i> , 2010, 10, 5.	1.1	25
76	Protective effect of aqueous extract from <i>Spirulina platensis</i> against cell death induced by free radicals. <i>BMC Complementary and Alternative Medicine</i> , 2010, 10, 53.	3.7	129
77	Is there a genetic variation association in the IL-10 and TNF $\beta$ promoter gene with gestational diabetes mellitus?. <i>Hereditas</i> , 2010, 147, 94-102.	0.5	27
78	Supplementation of tocotrienol-rich fraction increases interferon-gamma production in ovalbumin-immunized mice. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, NA-NA.	1.0	5
79	Palm Tocotrienols Inhibit Proliferation of Murine Mammary Cancer Cells and Induce Expression of Interleukin-24 mRNA. <i>Journal of Interferon and Cytokine Research</i> , 2010, 30, 909-916.	0.5	32
80	Salivary immunoglobulin A (sIgA) responses to bovine colostrum supplementation during regular training in physically active young healthy adolescents. <i>British Journal of Sports Medicine</i> , 2010, 44, i44-i44.	3.1	2
81	Assessment of Antioxidant Capacity and Cytotoxicity of Selected Malaysian Plants. <i>Molecules</i> , 2010, 15, 2139-2151.	1.7	62
82	Association between polymorphisms in human tumor necrosis factor-alpha ( $\beta$ 308) and -beta (252) genes and development of gestational diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2010, 88, 139-145.	1.1	16
83	Flavonoid quercetin protects against swimming stress-induced changes in oxidative biomarkers in the hypothalamus of rats. <i>European Journal of Pharmacology</i> , 2009, 621, 46-52.	1.7	62
84	Standardised <i>Mangifera indica</i> extract is an ideal antioxidant. <i>Food Chemistry</i> , 2009, 113, 1154-1159.	4.2	74
85	Daily supplementation of tocotrienol-rich fraction or $\beta$ -tocopherol did not induce immunomodulatory changes in healthy human volunteers. <i>British Journal of Nutrition</i> , 2009, 101, 810-815.	1.2	26
86	In vitro Anti-Proliferative and Antioxidant Activities of Stem Extracts of <i>Pereskia bleo</i> (Kunth) DC (Cactaceae). <i>Malaysian Journal of Science</i> , 2009, 28, 225-239.	0.2	4
87	Rind of the rambutan, <i>Nephelium lappaceum</i> , a potential source of natural antioxidants. <i>Food Chemistry</i> , 2008, 109, 54-63.	4.2	115
88	The relationship between single nucleotide polymorphisms of the interleukin-10 gene promoter in systemic lupus erythematosus patients in Malaysia: a pilot study. <i>International Journal of Rheumatic Diseases</i> , 2008, 11, 148-154.	0.9	6
89	Anti-proliferative and mutagenic activities of aqueous and methanol extracts of leaves from <i>Pereskia bleo</i> (Kunth) DC (Cactaceae). <i>Journal of Ethnopharmacology</i> , 2007, 113, 448-456.	2.0	34
90	Comparison of single nucleotide polymorphisms in the human interleukin-10 gene promoter between rheumatoid arthritis patients and normal subjects in Malaysia. <i>Modern Rheumatology</i> , 2007, 17, 429-435.	0.9	28

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91	Comparison of single nucleotide polymorphisms in the human interleukin-10 gene promoter between rheumatoid arthritis patients and normal subjects in Malaysia. <i>Modern Rheumatology</i> , 2007, 17, 429-435.	0.9	12
92	Improving PBLs in the International Medical University: defining the "good" PBL facilitator. <i>Medical Teacher</i> , 2006, 28, 558-560.	1.0	15
93	Tocotrienol-Rich Fraction from Palm Oil and Gene Expression in Human Breast Cancer Cells. <i>Annals of the New York Academy of Sciences</i> , 2004, 1031, 143-157.	1.8	43
94	Tocotrienol-rich fraction from palm oil affects gene expression in tumors resulting from MCF-7 cell inoculation in athymic mice. <i>Lipids</i> , 2004, 39, 459-467.	0.7	90
95	Effect of palm oil carotene on breast cancer tumorigenicity in nude mice. <i>Lipids</i> , 2002, 37, 557-560.	0.7	17