

# Ammu K Radhakrishnan

## List of Publications by Year in descending order

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95  
papers

2,677  
citations

201674

27  
h-index

206112

48  
g-index

101  
all docs

101  
docs citations

101  
times ranked

3811  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Rind of the rambutan, <i>Nephelium lappaceum</i> , a potential source of natural antioxidants. <i>Food Chemistry</i> , 2008, 109, 54-63.	8.2	115
3	Protective Mechanisms of Flavonoids in Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	4.0	113
4	Current Concepts of Neurodegenerative Mechanisms in Alzheimer's Disease. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	113
5	Bioactive Compounds: Natural Defense Against Cancer?. <i>Biomolecules</i> , 2019, 9, 758.	4.0	98
6	Fabrication, Optimization, and Evaluation of Rotigotine-Loaded Chitosan Nanoparticles for Nose-To-Brain Delivery. <i>Pharmaceutics</i> , 2019, 11, 26.	4.5	93
7	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.	5.2	91
8	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.	1.7	90
9	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.	4.0	90
10	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.	3.0	86
11	Tocotrienol research: past into present. <i>Nutrition Reviews</i> , 2012, 70, 483-490.	5.8	83
12	Standardised <i>Mangifera indica</i> extract is an ideal antioxidant. <i>Food Chemistry</i> , 2009, 113, 1154-1159.	8.2	74
13	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.	2.1	66
14	Health-promoting effects of red palm oil: evidence from animal and human studies. <i>Nutrition Reviews</i> , 2017, 75, 98-113.	5.8	65
15	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.	3.5	62
16	Assessment of Antioxidant Capacity and Cytotoxicity of Selected Malaysian Plants. <i>Molecules</i> , 2010, 15, 2139-2151.	3.8	62
17	Protective effects of flavonol isoquercitrin, against 6-hydroxy dopamine (6-OHDA) - induced toxicity in PC12 cells. <i>BMC Research Notes</i> , 2014, 7, 49.	1.4	58
18	Rambutan rind in the management of hyperglycemia. <i>Food Research International</i> , 2011, 44, 2278-2282.	6.2	51

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19	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.	2.9	51
20	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.	2.3	51
21	Tocotrienols promote apoptosis in human breast cancer cells by inducing poly(ADP-ribose) polymerase cleavage and inhibiting nuclear factor kappaB activity. <i>Cell Proliferation</i> , 2013, 46, 203-213.	5.3	50
22	Lipid based nanocarriers system for topical delivery of photosensitizers. <i>Drug Discovery Today</i> , 2017, 22, 1274-1283.	6.4	50
23	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.	3.8	43
24	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.	2.5	43
25	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.	4.1	34
26	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.	1.2	32
27	Anti-inflammatory effects of <i>Polygonum minus</i> (Huds) extract (Lineminus, C) in in-vitro enzyme assays and carrageenan induced paw edema. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 355.	3.7	32
28	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.	1.8	28
29	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.	1.9	28
30	In vivo toxicity evaluation of a standardized extract of <i>Syzygium aqueum</i> leaf. <i>Toxicology Reports</i> , 2014, 1, 718-725.	3.3	28
31	Is there a genetic variation association in the IL-10 and TNF $\pm$ promoter gene with gestational diabetes mellitus?. <i>Hereditas</i> , 2010, 147, 94-102.	1.4	27
32	Daily supplementation of tocotrienol-rich fraction or $\alpha$ -tocopherol did not induce immunomodulatory changes in healthy human volunteers. <i>British Journal of Nutrition</i> , 2009, 101, 810-815.	2.3	26
33	Effect of $\alpha$ -tocotrienol in counteracting oxidative stress and joint damage in collagen-induced arthritis in rats. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1408-1414.	1.8	26
34	Tocotrienols are good adjuvants for developing cancer vaccines. <i>BMC Cancer</i> , 2010, 10, 5.	2.6	25
35	Relationship between various cytokines implicated in asthma. <i>Human Immunology</i> , 2019, 80, 755-763.	2.4	24
36	Therapeutic Efficacy of Vitamin E $\alpha$ -tocotrienol in Collagen-Induced Rat Model of Arthritis. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	21

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37	Development, Characterization, and Evaluation of Î±-Mangostin-Loaded Polymeric Nanoparticle Gel for Topical Therapy in Skin Cancer. <i>Gels</i> , 2021, 7, 230.	4.5	21
38	Investigation of the curative effects of palm vitamin E tocotrienols on autoimmune arthritis disease in vivo. <i>Scientific Reports</i> , 2019, 9, 16793.	3.3	20
39	Tocotrienol-Adjuvanted Dendritic Cells Inhibit Tumor Growth and Metastasis: A Murine Model of Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e74753.	2.5	19
40	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.	4.5	19
41	Effect of palm oil carotene on breast cancer tumorigenicity in nude mice. <i>Lipids</i> , 2002, 37, 557-560.	1.7	17
42	Association between polymorphisms in human tumor necrosis factor- $\alpha$ ( $\sim$ 308) and - $\beta$ (252) genes and development of gestational diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2010, 88, 139-145.	2.8	16
43	Delta- and Gamma-Tocotrienols Induce Classical Ultrastructural Apoptotic Changes in Human T Lymphoblastic Leukemic Cells. <i>Microscopy and Microanalysis</i> , 2012, 18, 462-469.	0.4	16
44	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.	4.0	16
45	Effects of Probiotics on Anxiety, Stress, Mood and Fitness of Badminton Players. <i>Nutrients</i> , 2021, 13, 1783.	4.1	16
46	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.	4.1	16
47	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.	6.2	16
48	Improving PBLs in the International Medical University: defining the "good" PBL facilitator. <i>Medical Teacher</i> , 2006, 28, 558-560.	1.8	15
49	Colostrum supplementation protects against exercise - induced oxidative stress in skeletal muscle in mice. <i>BMC Research Notes</i> , 2012, 5, 649.	1.4	15
50	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.	1.9	14
51	Ambroxol Hydrochloride Loaded Gastro-Retentive Nanosuspension Gels Potentiate Anticancer Activity in Lung Cancer (A549) Cells. <i>Gels</i> , 2021, 7, 243.	4.5	14
52	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.	2.4	13
53	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.	2.0	13
54	An Effective Ostrich Oil Bleaching Technique Using Peroxide Value as an Indicator. <i>Molecules</i> , 2011, 16, 5709-5719.	3.8	12

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55	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.	1.8	12
56	Medical students'™ orientation toward lifelong learning in an outcome-based curriculum and the lessons learnt. <i>Medical Teacher</i> , 2021, 43, S6-S11.	1.8	11
57	Selective anti-cancer effects of palm phytonutrients on human breast cancer cells. <i>RSC Advances</i> , 2015, 5, 1745-1753.	3.6	10
58	A comparative histopathological study of systemic candidiasis in association with experimentally induced breast cancer. <i>Oncology Letters</i> , 2010, 1, 215-222.	1.8	9
59	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
60	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.	2.6	9
61	Review: Beta-thalassemia and molecular chaperones. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 348-352.	1.4	9
62	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.	1.9	9
63	Ratite oils for local transdermal therapy of 4-OH tamoxifen: development, characterization, and <i>ex vivo</i> evaluation. <i>Journal of Liposome Research</i> , 2021, 31, 217-229.	3.3	9
64	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.	2.3	9
65	Evaluating Anticancer and Immunomodulatory Effects of Spirulina (Arthrospira) platensis and Gamma-Tocotrienol Supplementation in a Syngeneic Mouse Model of Breast Cancer. <i>Nutrients</i> , 2021, 13, 2320.	4.1	9
66	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.	1.4	8
67	Antihyperglycemic Effects of Nephelium lappaceum Rind Extract in High Fat-Induced Diabetic Rats. <i>International Journal of Pharmacology</i> , 2015, 11, 542-551.	0.3	8
68	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.	1.9	7
69	Poloxamer 188 (P188), A Potential Polymeric Protective Agent for Central Nervous System Disorders: A Systematic Review. <i>Current Neuropharmacology</i> , 2022, 20, 799-808.	2.9	7
70	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.	10.9	7
71	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.	1.9	6
72	Amelioration of Collagen-Induced Arthritis in Female Dark Agouti Rats by Glucosamine Treatment. <i>ISRN Pharmacology</i> , 2013, 2013, 1-7.	1.6	6

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73	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.	2.0	6
74	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.	2.6	6
75	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.	5.6	6
76	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.	2.3	6
77	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.	1.5	5
78	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.	3.2	5
79	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.	2.9	5
80	Unravelling the neuroprotective mechanisms of carotenes in differentiated human neural cells: Biochemical and proteomic approaches. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100088.	2.1	5
81	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.	0.3	4
82	Clinically Relevant Genes and Proteins Modulated by Tocotrienols in Human Colon Cancer Cell Lines: Systematic Scoping Review. <i>Nutrients</i> , 2021, 13, 4056.	4.1	4
83	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.	4.0	3
84	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.	1.8	3
85	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.	2.9	3
86	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.	6.7	2
87	Palm Tocotrienol-Adjuvanted Dendritic Cells Decrease Expression of the SATB1 Gene in Murine Breast Cancer Cells and Tissues. <i>Vaccines</i> , 2019, 7, 198.	4.4	2
88	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.	1.5	2
89	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.	1.8	2
90	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

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91	Development of an institutional assessment framework. Medical Education, 2018, 52, 572-573.	2.1	1
92	Gamma-tocotrienol modifies methylation of HOXA10, IRF4 and RORÎ± genes in CD4+ T-lymphocytes: Evidence from a syngeneic mouse model of breast cancer. Current Research in Immunology, 2021, 2, 169-174.	2.8	1
93	Investigating Genetic and Other Determinants of First-Onset Myocardial Infarction in Malaysia: Protocol for the Malaysian Acute Vascular Events Risk Study. JMIR Research Protocols, 2022, 11, e31885.	1.0	1
94	Clinical characteristics, cytokine profiles and plasma IgE in adults with asthma. Molecular Immunology, 2022, 143, 50-57.	2.2	1
95	Biomarkers Regulated by Lipid-Soluble Vitamins in Glioblastoma. Nutrients, 2022, 14, 2873.	4.1	1