

# Mohammad Anis

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103  
papers

1,865  
citations

25  
h-index

36  
g-index

109  
ext. papers

2,152  
ext. citations

2.6  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
103	Adventitious Root Culture—An Alternative Strategy for Secondary Metabolite Production: A Review. <i>Agronomy</i> , <b>2022</b> , 12, 1178	3.6	1
102	Callus Culture Systems in Salix L.: The Limited Database <b>2021</b> , 83-91		
101	Gibberellic acid and thidiazuron promote micropropagation of an endangered woody tree ( <i>Pterocarpus marsupium</i> Roxb.) using in vitro seedlings. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2021</b> , 144, 449-462	2.7	6
100	Meta-topolin Promotes Improved Micropropagation, Photosynthetic Performances, Biomass and Proline Levels of an India Ipecac ( <i>Tylophora indica</i> Burm f.) <b>2021</b> , 169-186		
99	Encapsulation of nodal segments of <i>Allamanda cathartica</i> for short-term storage and germplasm exchange. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2021</b> , 145, 435-443	2.7	0
98	Stimulatory effect of copper and zinc sulphate on plant regeneration, glutathione-S-transferase analysis and assessment of antioxidant activities in <i>Mucuna pruriens</i> L. (DC). <i>Plant Cell, Tissue and Organ Culture</i> , <b>2020</b> , 141, 155-166	2.7	4
97	meta-Topolin induced in vitro regeneration and metabolic profiling in <i>Allamanda cathartica</i> L.. <i>Industrial Crops and Products</i> , <b>2020</b> , 145, 111944	5.9	12
96	Direct shoot organogenesis from shoot tip explants of a highly medicinal valued tree <i>Pterocarpus marsupium</i> Roxb.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2020</b> , 56, 670-681	2.3	4
95	Efficient In Vitro Regeneration System for <i>Tecoma stans</i> L., Using Shoot Tip and Assessment of Genetic Fidelity Among Regenerants. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2020</b> , 90, 171-178	1.4	12
94	Meta-topolin Improves In Vitro Morphogenesis, Rhizogenesis and Biochemical Analysis in <i>Pterocarpus marsupium</i> Roxb.: A Potential Drug-Yielding Tree. <i>Journal of Plant Growth Regulation</i> , <b>2019</b> , 38, 1007-1016	4.7	26
93	Influence of meta-topolin on in vitro organogenesis in <i>Tecoma stans</i> L., assessment of genetic fidelity and phytochemical profiling of wild and regenerated plants. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2019</b> , 138, 339-351	2.7	9
92	Development of an efficient micropropagation system for <i>Tecoma stans</i> (L.) Juss. ex Kunth using thidiazuron and effects on phytochemical constitution. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2019</b> , 55, 442-453	2.3	8
91	In Vitro Regeneration of Coral Tree from Three Different Explants Using Thidiazuron. <i>HortTechnology</i> , <b>2019</b> , 29, 946-951	1.3	5
90	Successful plant regeneration system via de novo organogenesis in <i>Syzygium cumini</i> (L.) Skeels: an important medicinal tree. <i>Agroforestry Systems</i> , <b>2019</b> , 93, 1285-1295	2	8
89	Nutrient alginate encapsulation of nodal segments of <i>Althaea officinalis</i> L., for short-term conservation and germplasm exchange. <i>Plant Biosystems</i> , <b>2018</b> , 152, 1256-1262	1.6	7
88	Preconditioning of Nodal Explants in Thidiazuron-Supplemented Liquid Media Improves Shoot Multiplication in <i>Pterocarpus marsupium</i> (Roxb.) <b>2018</b> , 175-187		6
87	Synergetic effect of TDZ and BA on minimizing the post-exposure effects on axillary shoot proliferation and assessment of genetic fidelity in <i>Rauvolfia tetraphylla</i> (L.). <i>Rendiconti Lincei</i> , <b>2018</b> , 29, 109-115	1.7	20

86	Organogenesis and efficient in vitro plantlet regeneration from nodal segments of <i>Allamanda cathartica</i> L. using TDZ and ultrasound assisted extraction of quercetin. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2018</b> , 134, 241-250	2.7	14
85	Regulation of Morphogenesis and Improvement in Shoot Multiplication in <i>Vitex</i> Species Using Thidiazuron <b>2018</b> , 343-349		
84	Role of Thidiazuron in Modulation of Shoot Multiplication Rate in Micropropagation of <i>Rauvolfia</i> Species <b>2018</b> , 429-438		1
83	Auxin-cytokinin synergism for producing genetically stable plants of using shoot tip meristems. <i>Saudi Journal of Biological Sciences</i> , <b>2018</b> , 25, 273-277	4	17
82	Establishment of adventitious root cultures of <i>Allamanda cathartica</i> L. for the production of iridoid glycosides and its identification using HPTLC MS. <i>Industrial Crops and Products</i> , <b>2018</b> , 125, 198-206	5.9	12
81	In vitro conservation strategies for the Indian willow ( <i>Salix tetrasperma</i> Roxb.), a vulnerable tree species via propagation through synthetic seeds. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 16, 17-21	4.2	12
80	Embling Production in <i>Althaea officinalis</i> L., Through Somatic Embryogenesis and Their Appraisal via Histological and Scanning Electron Microscopical Studies. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 182, 1182-1197	3.2	2
79	Synthetic seeds production and germination studies, for short term storage and long distance transport of <i>Erythrina variegata</i> L.: A multipurpose tree legume. <i>Industrial Crops and Products</i> , <b>2017</b> , 105, 41-46	5.9	14
78	In vitro clonal propagation and evaluation of genetic fidelity using RAPD and ISSR marker in micropropagated plants of <i>Cassia alata</i> L.: a potential medicinal plant. <i>Agroforestry Systems</i> , <b>2017</b> , 91, 637-647	2	18
77	Copper induced suppression of systemic microbial contamination in <i>Erythrina variegata</i> L. during in vitro culture. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2017</b> , 128, 249-258	2.7	9
76	ISSR marker-based detection of genomic stability in <i>Cassia occidentalis</i> L. plantlets derived from somatic embryogenesis. <i>Engineering in Life Sciences</i> , <b>2016</b> , 16, 17-24	3.4	7
75	Morphogenic responses of <i>Rauvolfia tetraphylla</i> L. cultures to Cu, Zn and Cd ions. <i>Rendiconti Lincei</i> , <b>2016</b> , 27, 369-374	1.7	12
74	In Vitro Propagation and Conservation of <i>Withania somnifera</i> (Dunal) L. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1391, 303-15	1.4	2
73	Plant Tissue Culture: A Journey from Research to Commercialization <b>2016</b> , 3-13		3
72	Interactive Effects of Growth Regulators, Carbon Sources, pH on Plant Regeneration and Assessment of Genetic Fidelity Using Single Primer Amplification Reaction (SPARS) Techniques in <i>Withania somnifera</i> L. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 177, 118-36	3.2	15
71	Effect of PGRs in adventitious root culture in vitro: present scenario and future prospects. <i>Rendiconti Lincei</i> , <b>2015</b> , 26, 307-321	1.7	11
70	In vitro mass propagation of <i>Murraya koenigii</i> L. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , <b>2015</b> , 2, 60-68	2.6	4
69	Encapsulation technology for short-term storage and germplasm exchange of <i>Vitex trifolia</i> L.. <i>Rendiconti Lincei</i> , <b>2015</b> , 26, 133-139	1.7	20

68	Management of cytokinin auxin interactions for in vitro shoot proliferation of <i>Althaea officinalis</i> L.: a valuable medicinal plant. <i>Rendiconti Lincei</i> , <b>2015</b> , 26, 323-334	1.7	10
67	Micropropagation of <i>Vitex</i> spp. through in vitro manipulation: Current status and future prospectives. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , <b>2015</b> , 2, 114-123	2.6	5
66	Cobalt induced augmentation of in vitro morphogenic potential in <i>Erythrina variegata</i> L.: a multipurpose tree legume. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 120, 463-474	2.7	7
65	Synseed conception for short-term storage, germplasm exchange and potentialities of regeneration genetically stable plantlets of desert date tree ( <i>Balanites aegyptiaca</i> Del.). <i>Agroforestry Systems</i> , <b>2014</b> , 88, 321-329	2	12
64	Effect of adenine sulphate interaction on growth and development of shoot regeneration and inhibition of shoot tip necrosis under in vitro condition in adult <i>Syzygium cumini</i> L.--a multipurpose tree. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 173, 90-102	3.2	21
63	Trees: Propagation and Conservation <b>2014</b> ,		10
62	An efficient in vitro process for cyclic clonal production of shoots from adult tree of <i>Cassia alata</i> L. and evaluation of genetic stability using DNA-based markers. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 2886-96	3.2	1
61	In vitro regeneration and the antioxidant enzymatic system on acclimatization of micropropagated <i>Vitex trifolia</i> L.. <i>Agroforestry Systems</i> , <b>2014</b> , 88, 437-447	2	7
60	In vitro propagation and synseed production of scarlet salvia ( <i>Salvia splendens</i> ). <i>Rendiconti Lincei</i> , <b>2014</b> , 25, 359-368	1.7	15
59	Changes in activity of antioxidant enzymes and photosynthetic machinery during acclimatization of micropropagated <i>Cassia alata</i> L. plantlets. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2014</b> , 50, 601-609	2.3	16
58	Rapid in vitro propagation system through shoot tip cultures of <i>Vitex trifolia</i> L.-an important multipurpose plant of the Pacific traditional Medicine. <i>Physiology and Molecular Biology of Plants</i> , <b>2014</b> , 20, 385-92	2.8	19
57	Relative examination of antioxidative enzymatic activities in plantlets of <i>L.</i> differentiated from hypocotyls in in vivo and ex vitro environment. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2014</b> , 4, 66-72	5.3	9
56	Role of PGR on in vitro shoot propagation in <i>Cyamopsis tetragonoloba</i> L. (Taub.): a drought tolerant grain legume. <i>Rendiconti Lincei</i> , <b>2013</b> , 24, 7-12	1.7	11
55	An improved in vitro encapsulation protocol, biochemical analysis and genetic integrity using DNA based molecular markers in regenerated plants of <i>Withania somnifera</i> L. <i>Industrial Crops and Products</i> , <b>2013</b> , 50, 468-477	5.9	24
54	Rapid plant regeneration and analysis of genetic fidelity in micropropagated plants of <i>Vitex trifolia</i> : an important medicinal plant. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 2493-2500	2.6	28
53	Evaluation of clonal integrity in desert date tree ( <i>Balanites aegyptiaca</i> Del.) by inter-simple sequence repeat marker assay. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 2559-2565	2.6	16
52	Change in total phenolic content and antibacterial activity in regenerants of <i>Vitex negundo</i> L.. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 791-800	2.6	14
51	Rapid in vitro multiplication and ex vitro establishment of Caribbean copper plant ( <i>Euphorbia cotinifolia</i> L.): an important medicinal shrub. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 3391-3400	2.6	13

50	In vitro regeneration and multiplication for mass propagation of <i>Acacia ehrenbergiana</i> Hayne: a potential reclaimment of denude arid lands. <i>Agroforestry Systems</i> , <b>2013</b> , 87, 621-629	2	18
49	Potential role of cytokinin auxin synergism, antioxidant enzymes activities and appraisal of genetic stability in <i>Dianthus caryophyllus</i> L. an important cut flower crop. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2013</b> , 49, 166-174	2.3	4
48	In vitro propagation of <i>Cuphea procumbens</i> Orteg. and Evaluation of genetic fidelity in plantlets using RAPD marker. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2012</b> , 21, 51-59	1.6	9
47	Modulation of in vitro morphogenesis in nodal segments of <i>Salix tetrasperma</i> Roxb. through the use of TDZ, different media types and culture regimes. <i>Agroforestry Systems</i> , <b>2012</b> , 86, 95-103	2	14
46	Assessment of the potentiality of TDZ on multiple shoot induction in <i>Bauhinia tomentosa</i> L., a woody legume. <i>Acta Biologica Hungarica</i> , <b>2012</b> , 63, 474-82		7
45	Role of TDZ in the quick regeneration of multiple shoots from nodal explant of <i>Vitex trifolia</i> L.--an important medicinal plant. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 957-66	3.2	42
44	Acceleration of adventitious shoots by interaction between exogenous hormone and adenine sulphate in <i>Althaea officinalis</i> L. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 1239-55	3.2	8
43	An efficient and reproducible method for in vitro clonal multiplication of <i>Rauvolfia tetraphylla</i> L. and evaluation of genetic stability using DNA-based markers. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 1739-52	3.2	33
42	Influencing micropropagation in <i>Clitoria ternatea</i> L. through the manipulation of TDZ levels and use of different explant types. <i>Physiology and Molecular Biology of Plants</i> , <b>2012</b> , 18, 381-6	2.8	13
41	Enhanced shoot organogenesis in <i>Cassia angustifolia</i> Vahl. a difficult-to-root drought resistant medicinal shrub. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2012</b> , 21, 213-219	1.6	4
40	Improvement of shoot morphogenesis in vitro and assessment of changes of the activity of antioxidant enzymes during acclimation of micropropagated plants of Desert Teak. <i>Acta Physiologiae Plantarum</i> , <b>2012</b> , 34, 859-867	2.6	34
39	Role of growth regulators on in vitro regeneration and histological analysis in Indian ginseng ( <i>Withania somnifera</i> L.) Dunal. <i>Physiology and Molecular Biology of Plants</i> , <b>2012</b> , 18, 59-67	2.8	25
38	In vitro morphogenic response and metal accumulation in <i>Albizia lebbeck</i> (L.) cultures grown under metal stress. <i>European Journal of Forest Research</i> , <b>2012</b> , 131, 669-681	2.7	11
37	Assessment of genetic fidelity in <i>Rauvolfia serpentina</i> plantlets grown from synthetic (encapsulated) seeds following in vitro storage at 4 °C. <i>Molecules</i> , <b>2012</b> , 17, 5050-61	4.8	41
36	Assessment of factors affecting micropropagation and ex vitro acclimatization of <i>Nyctanthes arbor-tristis</i> L. <i>Acta Biologica Hungarica</i> , <b>2011</b> , 62, 45-56		8
35	Enhanced in vitro regeneration and change in photosynthetic pigments, biomass and proline content in <i>Withania somnifera</i> L. (Dunal) induced by copper and zinc ions. <i>Plant Physiology and Biochemistry</i> , <b>2011</b> , 49, 1465-71	5.4	32
34	The role of cytokinins on in vitro shoot production in <i>Salix tetrasperma</i> Roxb.: a tree of ecological importance. <i>Trees - Structure and Function</i> , <b>2011</b> , 25, 577-584	2.6	29
33	An efficient in vitro process for recurrent production of cloned plants of <i>Vitex negundo</i> L. <i>European Journal of Forest Research</i> , <b>2011</b> , 130, 135-144	2.7	38

32	In vitro organogenesis from internode derived callus cultures of Capsicum annum L.. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2011</b> , 20, 84-89	1.6	9
31	Preconditioning of axillary buds in thidiazuron-supplemented liquid media improves in vitro shoot multiplication in Nyctanthes arbor-tristis L. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 163, 851-9	3.2	16
30	Influence of cytokinins, basal media and pH on adventitious shoot regeneration from excised root cultures of Albizia lebeck. <i>Journal of Forestry Research</i> , <b>2011</b> , 22, 47-52	2	20
29	In Vitro Optimization of Phytohormones on Micropropagation in Butterfly Pea (Clitoria ternatea L.). <i>Journal of Herbs, Spices and Medicinal Plants</i> , <b>2010</b> , 16, 98-105	0.9	2
28	Effect of light irradiations on photosynthetic machinery and antioxidative enzymes during ex vitro acclimatization of Tylophora indica plantlets. <i>Journal of Plant Interactions</i> , <b>2010</b> , 5, 21-27	3.8	22
27	In vitro clonal propagation of Balanites aegyptiaca (L.) Del. <i>Agroforestry Systems</i> , <b>2010</b> , 78, 151-158	2	25
26	Somatic embryogenesis and plant regeneration in Pterocarpus marsupium Roxb.. <i>Trees - Structure and Function</i> , <b>2010</b> , 24, 781-787	2.6	13
25	In vitro adventitious shoot regeneration via indirect organogenesis from petiole explants of Cassia angustifolia Vahl.-a potential medicinal plant. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 162, 2067-74 <sup>2</sup>	3.2	15
24	In vitro callus induction and plant regeneration from leaf explants of Ruta graveolens L.. <i>South African Journal of Botany</i> , <b>2010</b> , 76, 597-600	2.9	42
23	Direct plant regeneration from nodal explants of Balanites aegyptiaca L. (Del.): a valuable medicinal tree. <i>New Forests</i> , <b>2009</b> , 37, 53-62	2.6	36
22	Changes in photosynthetic activity, pigment composition, electrolyte leakage, lipid peroxidation, and antioxidant enzymes during ex vitro establishment of micropropagated Rauwolfia tetraphylla plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2009</b> , 99, 125-132	2.7	36
21	In vitro rapid multiplication and propagation of Cardiospermum halicacabum L. through axillary bud culture. <i>Acta Physiologiae Plantarum</i> , <b>2009</b> , 31, 133-138	2.6	23
20	Rapid in vitro multiplication of Melia azedarach L. (a multipurpose woody tree). <i>Acta Physiologiae Plantarum</i> , <b>2009</b> , 31, 765-772	2.6	41
19	In vitro production of true-to-type plants of Vitex negundo L. from nodal explants. <i>Journal of Horticultural Science and Biotechnology</i> , <b>2008</b> , 83, 313-317	1.9	13
18	In vitro propagation of a multipurpose leguminous tree (Pterocarpus marsupium Roxb.) using nodal explants. <i>Acta Physiologiae Plantarum</i> , <b>2008</b> , 30, 353-359	2.6	42
17	An improved plant regeneration system and ex vitro acclimatization of Ocimum basilicum L.. <i>Acta Physiologiae Plantarum</i> , <b>2008</b> , 30, 493-499	2.6	37
16	Micropropagation through excised root culture of Clitoria ternatea and comparison between in vitro regenerated plants and seedlings. <i>Annals of Applied Biology</i> , <b>2007</b> , 150, 341-349	2.6	39
15	Rapid clonal multiplication of a woody tree, Vitex negundo L. through axillary shoots proliferation. <i>Agroforestry Systems</i> , <b>2007</b> , 71, 195-200	2	55



14	An efficient micropropagation system for <i>Tylophora indica</i> : an endangered, medicinally important plant. <i>Plant Biotechnology Reports</i> , <b>2007</b> , 1, 155-161	2.5	63
13	In vitro propagation of Indian Kino ( <i>Pterocarpus marsupium</i> Roxb.) using Thidiazuron. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2007</b> , 43, 59-64	2.3	47
12	In vitro shoot multiplication and plantlet regeneration from nodal explants of <i>Cassia angustifolia</i> (Vahl.): a medicinal plant. <i>Acta Physiologiae Plantarum</i> , <b>2007</b> , 29, 233-238	2.6	54
11	Rapid plant regeneration protocol for cluster bean ( <i>Cyamopsis tetragonoloba</i> L. Taub.). <i>Journal of Horticultural Science and Biotechnology</i> , <b>2007</b> , 82, 585-589	1.9	15
10	Rapid in vitro propagation of <i>Eclipta alba</i> (L.) Hassk. through high frequency axillary shoot proliferation. <i>Acta Physiologiae Plantarum</i> , <b>2006</b> , 28, 325-330	2.6	23
9	Rapid In Vitro Propagation of <i>Eclipta alba</i> (L.) Hassk by Shoot Tip Culture. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2006</b> , 15, 147-149	1.6	3
8	In vitro rapid regeneration of plantlets from nodal explants of <i>Mucuna pruriens</i> a valuable medicinal plant. <i>Annals of Applied Biology</i> , <b>2006</b> , 148, 1-6	2.6	39
7	Shoot multiplication in <i>Rauvolfia tetraphylla</i> L. using thidiazuron. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2005</b> , 80, 187-190	2.7	91
6	In Vitro Regeneration and Mass Propagation of <i>Ruta graveolens</i> L. A Multipurpose Shrub. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2005</b> , 40, 1478-1480	2.4	13
5	Rapid mass propagation of <i>Tylophora indica</i> Merrill via leaf callus culture. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2003</b> , 75, 125-129	2.7	52
4	Herbal ethnomedicine of the gwalior forest division in madhya pradesh, India. <i>Pharmaceutical Biology</i> , <b>2000</b> , 38, 241-53	3.8	28
3	Caffeine Induced Morpho-cytological Variability in Fenugreek, <i>Trigonella foenum-graecum</i> L.. <i>Cytologia</i> , <b>1997</b> , 62, 343-349	0.9	18
2	Medicinal Plantlore of Aligarh, India. <i>International Journal of Pharmacognosy</i> , <b>1994</b> , 32, 59-64		12
1	Cytogenetic Studies on the F1 Hybrid <i>Solanum incanum</i> * <i>S. melongena</i> var. American Wonder.. <i>Cytologia</i> , <b>1994</b> , 59, 433-436	0.9	10