Mohammad Anis

List of Publications by Citations

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	Shoot multiplication in Rauvolfia tetraphylla L. using thidiazuron. *Plant Cell, Tissue and Organ Culture*, **2005**, 80, 187-190	2.7	91
102	An efficient micropropagation system for Tylophora indica: an endangered, medicinally important plant. *Plant Biotechnology Reports*, **2007**, 1, 155-161	2.5	63
101	Rapid clonal multiplication of a woody tree, Vitex negundo L. through axillary shoots proliferation. *Agroforestry Systems*, **2007**, 71, 195-200	2	55
100	In vitro shoot multiplication and plantlet regeneration from nodal explants of Cassia angustifolia (Vahl.): a medicinal plant. *Acta Physiologiae Plantarum*, **2007**, 29, 233-238	2.6	54
99	Rapid mass propagation of Tylophora indica Merrill via leaf callus culture. *Plant Cell, Tissue and Organ Culture*, **2003**, 75, 125-129	2.7	52
98	In vitro propagation of Indian Kino (Pterocarpus marsupium Roxb.) using Thidiazuron. *In Vitro Cellular and Developmental Biology - Plant*, **2007**, 43, 59-64	2.3	47
97	Role of TDZ in the quick regeneration of multiple shoots from nodal explant of Vitex trifolia L.--an important medicinal plant. *Applied Biochemistry and Biotechnology*, **2012**, 168, 957-66	3.2	42
96	In vitro callus induction and plant regeneration from leaf explants of Ruta graveolens L.. *South African Journal of Botany*, **2010**, 76, 597-600	2.9	42
95	In vitro propagation of a multipurpose leguminous tree (Pterocarpus marsupium Roxb.) using nodal explants. *Acta Physiologiae Plantarum*, **2008**, 30, 353-359	2.6	42
94	Rapid in vitro multiplication of Melia azedarach L. (a multipurpose woody tree). *Acta Physiologiae Plantarum*, **2009**, 31, 765-772	2.6	41
93	Assessment of genetic fidelity in Rauvolfia serpentina plantlets grown from synthetic (encapsulated) seeds following in vitro storage at 4 °C. *Molecules*, **2012**, 17, 5050-61	4.8	41
92	Micropropagation through excised root culture of Clitoria ternatea and comparison between in vitro regenerated plants and seedlings. *Annals of Applied Biology*, **2007**, 150, 341-349	2.6	39
91	In vitro rapid regeneration of plantlets from nodal explants of Mucuna pruriens a valuable medicinal plant. *Annals of Applied Biology*, **2006**, 148, 1-6	2.6	39
90	An efficient in vitro process for recurrent production of cloned plants of Vitex negundo L. *European Journal of Forest Research*, **2011**, 130, 135-144	2.7	38
89	An improved plant regeneration system and ex vitro acclimatization of Ocimum basilicum L.. *Acta Physiologiae Plantarum*, **2008**, 30, 493-499	2.6	37
88	Direct plant regeneration from nodal explants of Balanites aegyptiaca L. (Del.): a valuable medicinal tree. *New Forests*, **2009**, 37, 53-62	2.6	36
87	Changes in photosynthetic activity, pigment composition, electrolyte leakage, lipid peroxidation, and antioxidant enzymes during ex vitro establishment of micropropagated Rauvolfia tetraphylla plantlets. *Plant Cell, Tissue and Organ Culture*, **2009**, 99, 125-132	2.7	36

86	Improvement of shoot morphogenesis in vitro and assessment of changes of the activity of antioxidant enzymes during acclimation of micropropagated plants of Desert Teak. *Acta Physiologiae Plantarum*, **2012**, 34, 859-867	2.6	34
85	An efficient and reproducible method for in vitro clonal multiplication of Rauvolfia tetraphylla L. and evaluation of genetic stability using DNA-based markers. *Applied Biochemistry and Biotechnology*, **2012**, 168, 1739-52	3.2	33
84	Enhanced in vitro regeneration and change in photosynthetic pigments, biomass and proline content in Withania somnifera L. (Dunal) induced by copper and zinc ions. *Plant Physiology and Biochemistry*, **2011**, 49, 1465-71	5.4	32
83	The role of cytokinins on in vitro shoot production in Salix tetrasperma Roxb.: a tree of ecological importance. *Trees - Structure and Function*, **2011**, 25, 577-584	2.6	29
82	Rapid plant regeneration and analysis of genetic fidelity in micropropagated plants of Vitex trifolia: an important medicinal plant. *Acta Physiologiae Plantarum*, **2013**, 35, 2493-2500	2.6	28
81	Herbal ethnomedicine of the gwalior forest division in madhya pradesh, India. *Pharmaceutical Biology*, **2000**, 38, 241-53	3.8	28
80	Meta-topolin Improves In Vitro Morphogenesis, Rhizogenesis and Biochemical Analysis in Pterocarpus marsupium Roxb.: A Potential Drug-Yielding Tree. *Journal of Plant Growth Regulation*, **2019**, 38, 1007-1016	4.7	26
79	Role of growth regulators on in vitro regeneration and histological analysis in Indian ginseng (Withania somnifera L.) Dunal. *Physiology and Molecular Biology of Plants*, **2012**, 18, 59-67	2.8	25
78	In vitro clonal propagation of Balanites aegyptiaca (L.) Del. *Agroforestry Systems*, **2010**, 78, 151-158	2	25
77	An improved in vitro encapsulation protocol, biochemical analysis and genetic integrity using DNA based molecular markers in regenerated plants of Withania somnifera L. *Industrial Crops and Products*, **2013**, 50, 468-477	5.9	24
76	In vitro rapid multiplication and propagation of Cardiospermum halicacabum L. through axillary bud culture. *Acta Physiologiae Plantarum*, **2009**, 31, 133-138	2.6	23
75	Rapid in vitro propagation of Eclipta alba (L.) Hassk. through high frequency axillary shoot proliferation. *Acta Physiologiae Plantarum*, **2006**, 28, 325-330	2.6	23
74	Effect of light irradiations on photosynthetic machinery and antioxidative enzymes during ex vitro acclimatization of Tylophora indica plantlets. *Journal of Plant Interactions*, **2010**, 5, 21-27	3.8	22
73	Effect of adenine sulphate interaction on growth and development of shoot regeneration and inhibition of shoot tip necrosis under in vitro condition in adult Syzygium cumini L.--a multipurpose tree. *Applied Biochemistry and Biotechnology*, **2014**, 173, 90-102	3.2	21
72	Encapsulation technology for short-term storage and germplasm exchange of Vitex trifolia L.. *Rendiconti Lincei*, **2015**, 26, 133-139	1.7	20
71	Synergetic effect of TDZ and BA on minimizing the post-exposure effects on axillary shoot proliferation and assessment of genetic fidelity in Rauvolfia tetraphylla (L.). *Rendiconti Lincei*, **2018**, 29, 109-115	1.7	20
70	Influence of cytokinins, basal media and pH on adventitious shoot regeneration from excised root cultures of Albizia lebbeck. *Journal of Forestry Research*, **2011**, 22, 47-52	2	20
69	Rapid in vitro propagation system through shoot tip cultures of Vitex trifolia L.-an important multipurpose plant of the Pacific traditional Medicine. *Physiology and Molecular Biology of Plants*, **2014**, 20, 385-92	2.8	19

68	In vitro regeneration and multiplication for mass propagation of Acacia ehrenbergiana Hayne: a potential reclaiment of denude arid lands. *Agroforestry Systems*, **2013**, 87, 621-629	2	18
67	In vitro clonal propagation and evaluation of genetic fidelity using RAPD and ISSR marker in micropropagated plants of Cassia alata L.: a potential medicinal plant. *Agroforestry Systems*, **2017**, 91, 637-647	2	18
66	Caffeine Induced Morpho-cytological Variability in Fenugreek, Trigonella foenum-graecum L.. *Cytologia*, **1997**, 62, 343-349	0.9	18
65	Auxin-cytokinin synergism for producing genetically stable plants of using shoot tip meristems. *Saudi Journal of Biological Sciences*, **2018**, 25, 273-277	4	17
64	Changes in activity of antioxidant enzymes and photosynthetic machinery during acclimatization of micropropagated Cassia alata L. plantlets. *In Vitro Cellular and Developmental Biology - Plant*, **2014**, 50, 601-609	2.3	16
63	Evaluation of clonal integrity in desert date tree (Balanites aegyptiaca Del.) by inter-simple sequence repeat marker assay. *Acta Physiologiae Plantarum*, **2013**, 35, 2559-2565	2.6	16
62	Preconditioning of axillary buds in thidiazuron-supplemented liquid media improves in vitro shoot multiplication in Nyctanthes arbor-tristis L. *Applied Biochemistry and Biotechnology*, **2011**, 163, 851-9	3.2	16
61	Interactive Effects of Growth Regulators, Carbon Sources, pH on Plant Regeneration and Assessment of Genetic Fidelity Using Single Primer Amplification Reaction (SPARS) Techniques in Withania somnifera L. *Applied Biochemistry and Biotechnology*, **2015**, 177, 118-36	3.2	15
60	In vitro propagation and synseed production of scarlet salvia (Salvia splendens). *Rendiconti Lincei*, **2014**, 25, 359-368	1.7	15
59	In vitro adventitious shoot regeneration via indirect organogenesis from petiole explants of Cassia angustifolia Vahl.-a potential medicinal plant. *Applied Biochemistry and Biotechnology*, **2010**, 162, 2067-74	3.2	15
58	Rapid plant regeneration protocol for cluster bean (Cyamopsis tetragonoloba L. Taub.). *Journal of Horticultural Science and Biotechnology*, **2007**, 82, 585-589	1.9	15
57	Synthetic seeds production and germination studies,for short term storage and long distance transport of Erythrina variegata L.: A multipurpose tree legume. *Industrial Crops and Products*, **2017**, 105, 41-46	5.9	14
56	Organogenesis and efficient in vitro plantlet regeneration from nodal segments of Allamanda cathartica L. using TDZ and ultrasound assisted extraction of quercetin. *Plant Cell, Tissue and Organ Culture*, **2018**, 134, 241-250	2.7	14
55	Change in total phenolic content and antibacterial activity in regenerants of Vitex negundo L.. *Acta Physiologiae Plantarum*, **2013**, 35, 791-800	2.6	14
54	Modulation of in vitro morphogenesis in nodal segments of Salix tetrasperma Roxb. through the use of TDZ, different media types and culture regimes. *Agroforestry Systems*, **2012**, 86, 95-103	2	14
53	Rapid in vitro multiplication and ex vitro establishment of Caribbean copper plant (Euphorbia cotinifolia L.): an important medicinal shrub. *Acta Physiologiae Plantarum*, **2013**, 35, 3391-3400	2.6	13
52	Influencing micropropagation in Clitoria ternatea L. through the manipulation of TDZ levels and use of different explant types. *Physiology and Molecular Biology of Plants*, **2012**, 18, 381-6	2.8	13
51	Somatic embryogenesis and plant regeneration in Pterocarpus marsupium Roxb.. *Trees - Structure and Function*, **2010**, 24, 781-787	2.6	13

50	In vitro production of true-to-type plants of Vitex negundo L. from nodal explants. *Journal of Horticultural Science and Biotechnology*, **2008**, 83, 313-317	1.9	13
49	In Vitro Regeneration and Mass Propagation of Ruta graveolens L.A Multipurpose Shrub. *Hortscience: A Publication of the American Society for Hortcultural Science*, **2005**, 40, 1478-1480	2.4	13
48	Morphogenic responses of Rauvolfia tetraphylla L. cultures to Cu, Zn and Cd ions. *Rendiconti Lincei*, **2016**, 27, 369-374	1.7	12
47	Synseed conception for short-term storage, germplasm exchange and potentialities of regeneration genetically stable plantlets of desert date tree (Balanites aegyptiaca Del.). *Agroforestry Systems*, **2014**, 88, 321-329	2	12
46	Medicinal Plantlore of Aligarh, India. *International Journal of Pharmacognosy*, **1994**, 32, 59-64		12
45	meta-Topolin induced in vitro regeneration and metabolic profiling in Allamanda cathartica L.. *Industrial Crops and Products*, **2020**, 145, 111944	5.9	12
44	Efficient In Vitro Regeneration System for Tecoma stans L., Using Shoot Tip and Assessment of Genetic Fidelity Among Regenerants. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2020**, 90, 171-178	1.4	12
43	Establishment of adventitious root cultures of Allamanda cathartica L. for the production of iridoid glycosides and its identification using HPTLC MS. *Industrial Crops and Products*, **2018**, 125, 198-206	5.9	12
42	In vitro conservation strategies for the Indian willow (Salix tetrasperma Roxb.), a vulnerable tree species via propagation through synthetic seeds. *Biocatalysis and Agricultural Biotechnology*, **2018**, 16, 17-21	4.2	12
41	Effect of PGRs in adventitious root culture in vitro: present scenario and future prospects. *Rendiconti Lincei*, **2015**, 26, 307-321	1.7	11
40	Role of PGR on in vitro shoot propagation in Cyamopsis tetragonoloba L. (Taub.): a drought tolerant grain legume. *Rendiconti Lincei*, **2013**, 24, 7-12	1.7	11
39	In vitro morphogenic response and metal accumulation in Albizia lebbeck (L.) cultures grown under metal stress. *European Journal of Forest Research*, **2012**, 131, 669-681	2.7	11
38	Management of cytokinin–auxin interactions for in vitro shoot proliferation of Althaea officinalis L.: a valuable medicinal plant. *Rendiconti Lincei*, **2015**, 26, 323-334	1.7	10
37	Trees: Propagation and Conservation **2014**,		10
36	Cytogenetic Studies on the F1 Hybrid Solanum incanum*S. melongena var. American Wonder.. *Cytologia*, **1994**, 59, 433-436	0.9	10
35	Influence of meta-topolin on in vitro organogenesis in Tecoma stans L., assessment of genetic fidelity and phytochemical profiling of wild and regenerated plants. *Plant Cell, Tissue and Organ Culture*, **2019**, 138, 339-351	2.7	9
34	In vitro propagation of Cuphea procumbens Orteg. and Evaluation of genetic fidelity in plantlets using RAPD marker. *Journal of Plant Biochemistry and Biotechnology*, **2012**, 21, 51-59	1.6	9
33	Copper induced suppression of systemic microbial contamination in Erythrina variegata L. during in vitro culture. *Plant Cell, Tissue and Organ Culture*, **2017**, 128, 249-258	2.7	9

32	Relative examination of antioxidative enzymatic activities in plantlets of L. differentiated from hypocotyls in in vivo and ex vitro environment. *Biotechnology Reports (Amsterdam, Netherlands)*, **2014**, 4, 66-72	5.3	9
31	In vitro organogenesis from internode derived callus cultures of Capsicum annuum L.. *Journal of Plant Biochemistry and Biotechnology*, **2011**, 20, 84-89	1.6	9
30	Development of an efficient micropropagation system for Tecoma stans (L.) Juss. ex Kunth using thidiazuron and effects on phytochemical constitution. *In Vitro Cellular and Developmental Biology - Plant*, **2019**, 55, 442-453	2.3	8
29	Acceleration of adventitious shoots by interaction between exogenous hormone and adenine sulphate in Althaea officinalis L. *Applied Biochemistry and Biotechnology*, **2012**, 168, 1239-55	3.2	8
28	Assessment of factors affecting micropropagation and ex vitro acclimatization of Nyctanthes arbor-tristis L. *Acta Biologica Hungarica*, **2011**, 62, 45-56		8
27	Successful plant regeneration system via de novo organogenesis in Syzygium cumini (L.) Skeels: an important medicinal tree. *Agroforestry Systems*, **2019**, 93, 1285-1295	2	8
26	Cobalt induced augmentation of in vitro morphogenic potential in Erythrina variegata L.: a multipurpose tree legume. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 463-474	2.7	7
25	Nutrient alginate encapsulation of nodal segments of Althaea officinalis L., for short-term conservation and germplasm exchange. *Plant Biosystems*, **2018**, 152, 1256-1262	1.6	7
24	ISSR marker-based detection of genomic stability in Cassia occidentalis L. plantlets derived from somatic embryogenesis. *Engineering in Life Sciences*, **2016**, 16, 17-24	3.4	7
23	In vitro regeneration and the antioxidant enzymatic system on acclimatization of micropropagated Vitex trifolia L.. *Agroforestry Systems*, **2014**, 88, 437-447	2	7
22	Assessment of the potentiality of TDZ on multiple shoot induction in Bauhinia tomentosa L., a woody legume. *Acta Biologica Hungarica*, **2012**, 63, 474-82		7
21	Preconditioning of Nodal Explants in Thidiazuron-Supplemented Liquid Media Improves Shoot Multiplication in Pterocarpus marsupium (Roxb.) **2018**, 175-187		6
20	Gibberellic acid and thidiazuron promote micropropagation of an endangered woody tree (Pterocarpus marsupium Roxb.) using in vitro seedlings. *Plant Cell, Tissue and Organ Culture*, **2021**, 144, 449-462	2.7	6
19	Micropropagation of Vitex spp. through in vitro manipulation: Current status and future prospectives. *Journal of Applied Research on Medicinal and Aromatic Plants*, **2015**, 2, 114-123	2.6	5
18	In Vitro Regeneration of Coral Tree from Three Different Explants Using Thidiazuron. *HortTechnology*, **2019**, 29, 946-951	1.3	5
17	In vitro mass propagation of Murraya koenigii L. *Journal of Applied Research on Medicinal and Aromatic Plants*, **2015**, 2, 60-68	2.6	4
16	Stimulatory effect of copper and zinc sulphate on plant regeneration, glutathione-S-transferase analysis and assessment of antioxidant activities in Mucuna pruriens L. (DC). *Plant Cell, Tissue and Organ Culture*, **2020**, 141, 155-166	2.7	4
15	Enhanced shoot organogenesis in Cassia angustifolia Vahl. – a difficult-to-root drought resistant medicinal shrub. *Journal of Plant Biochemistry and Biotechnology*, **2012**, 21, 213-219	1.6	4

List of Publications

14	Potential role of cytokinin–auxin synergism, antioxidant enzymes activities and appraisal of genetic stability in Dianthus caryophyllus L.—an important cut flower crop. *In Vitro Cellular and Developmental Biology - Plant*, **2013**, 49, 166-174	2.3	4
13	Direct shoot organogenesis from shoot tip explants of a highly medicinal valued tree Pterocarpus marsupium Roxb.. *In Vitro Cellular and Developmental Biology - Plant*, **2020**, 56, 670-681	2.3	4
12	Rapid In Vitro Propagation of Eclipta alba (L) Hassk by Shoot Tip Culture. *Journal of Plant Biochemistry and Biotechnology*, **2006**, 15, 147-149	1.6	3
11	Plant Tissue Culture: A Journey from Research to Commercialization **2016**, 3-13		3
10	Embling Production in Althaea officinalis L., Through Somatic Embryogenesis and Their Appraisal via Histological and Scanning Electron Microscopical Studies. *Applied Biochemistry and Biotechnology*, **2017**, 182, 1182-1197	3.2	2
9	In Vitro Optimization of Phytohormones on Micropropagation in Butterfly Pea (Clitoria ternatea L.). *Journal of Herbs, Spices and Medicinal Plants*, **2010**, 16, 98-105	0.9	2
8	In Vitro Propagation and Conservation of Withania somnifera (Dunal) L. *Methods in Molecular Biology*, **2016**, 1391, 303-15	1.4	2
7	Role of Thidiazuron in Modulation of Shoot Multiplication Rate in Micropropagation of Rauvolfia Species **2018**, 429-438		1
6	An efficient in vitro process for cyclic clonal production of shoots from adult tree of Cassia alata L. and evaluation of genetic stability using DNA-based markers. *Applied Biochemistry and Biotechnology*, **2014**, 174, 2886-96	3.2	1
5	Adventitious Root Culture—An Alternative Strategy for Secondary Metabolite Production: A Review. *Agronomy*, **2022**, 12, 1178	3.6	1
4	Encapsulation of nodal segments of Allamanda cathartica for short-term storage and germplasm exchange. *Plant Cell, Tissue and Organ Culture*, **2021**, 145, 435-443	2.7	0
3	Regulation of Morphogenesis and Improvement in Shoot Multiplication in Vitex Species Using Thidiazuron **2018**, 343-349		
2	Callus Culture Systems in Salix L.: The Limited Database **2021**, 83-91		
1	Meta-topolin Promotes Improved Micropropagation, Photosynthetic Performances, Biomass and Proline Levels of an India Ipecac (Tylophora indica Burm f.) **2021**, 169-186		