

# Td Nikam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2507681/publications.pdf>

Version: 2024-02-01

33  
papers

971  
citations

567281

15  
h-index

454955

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Salt Stress: Adaptive Responses, Tolerance Mechanism and Bioengineering for Salt Tolerance. Botanical Review, The, 2016, 82, 371-406.	3.9	216
2	Biochemical, physiological and growth changes in response to salinity in callus cultures of <i>Sesuvium portulacastrum</i> L.. Plant Cell, Tissue and Organ Culture, 2010, 102, 17-25.	2.3	93
3	Effects of optimal and supra-optimal salinity stress on antioxidative defence, osmolytes and in vitro growth responses in <i>Sesuvium portulacastrum</i> L.. Plant Cell, Tissue and Organ Culture, 2011, 104, 41-49.	2.3	90
4	<i>Sesuvium portulacastrum</i> , a plant for drought, salt stress, sand fixation, food and phytoremediation. A review. Agronomy for Sustainable Development, 2013, 33, 329-348.	5.3	67
5	<i>Sesuvium portulacastrum</i> (L.) L. a promising halophyte: cultivation, utilization and distribution in India. Genetic Resources and Crop Evolution, 2009, 56, 741-747.	1.6	57
6	Physiological responses of the halophyte <i>Sesuvium portulacastrum</i> to salt stress and their relevance for saline soil bio-reclamation. Flora: Morphology, Distribution, Functional Ecology of Plants, 2016, 224, 96-105.	1.2	56
7	Investigation of arsenic accumulation and tolerance potential of <i>Sesuvium portulacastrum</i> (L.) L.. Chemosphere, 2011, 82, 529-534.	8.2	48
8	NaCl induced salt adaptive changes and enhanced accumulation of 20-hydroxyecdysone in the in vitro shoot cultures of <i>Spinacia oleracea</i> (L.). Scientific Reports, 2019, 9, 12522.	3.3	38
9	Regulated alterations in redox and energetic status are the key mediators of salinity tolerance in the halophyte <i>Sesuvium portulacastrum</i> (L.) L. Plant Growth Regulation, 2011, 65, 287-298.	3.4	25
10	Morphological and molecular diversity analysis among the Indian clones of <i>Sesuvium portulacastrum</i> L.. Genetic Resources and Crop Evolution, 2009, 56, 705-717.	1.6	24
11	Differential osmotic adjustment to iso-osmotic NaCl and PEG stress in the in vitro cultures of <i>Sesuvium portulacastrum</i> (L.) L.. Journal of Crop Science and Biotechnology, 2010, 13, 251-256.	1.5	21
12	An insight into the role of silicon on retaliation to osmotic stress in finger millet ( <i>Eleusine coracana</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	12.4	20
13	Induction of somatic embryogenesis in leaf and root explants of <i>Digitalis lanata</i> Ehrh.: Direct and indirect method. South African Journal of Botany, 2020, 130, 356-365.	2.5	18
14	High frequency shoot regeneration in <i>Agave sisalana</i> . Plant Cell, Tissue and Organ Culture, 1997, 51, 225-228.	2.3	17
15	<i>Indigofera glandulosa</i> Wendl. (Barbada) a potential source of nutritious food: underutilized and neglected legume in India. Genetic Resources and Crop Evolution, 2010, 57, 147-153.	1.6	16
16	Na <sup>+</sup> and Cl <sup>-</sup> induce differential physiological, biochemical responses and metabolite modulations in vitro in contrasting salt-tolerant soybean genotypes. 3 Biotech, 2019, 9, 91.	2.2	16
17	Growth, physiological, and biochemical responses in relation to salinity tolerance for In Vitro selection in oil seed crop <i>Guizotia abyssinica</i> Cass.. Journal of Crop Science and Biotechnology, 2014, 17, 11-20.	1.5	15
18	In vitro propagation of <i>Digitalis lanata</i> Ehrh. through direct shoot regeneration â€“ A source of cardiotonic glycosides. Industrial Crops and Products, 2018, 121, 313-319.	5.2	14

#	ARTICLE	IF	CITATIONS
19	Micropropagation and non-steroidal anti-inflammatory and anti-arthritis agent boswellic acid production in callus cultures of <i>Boswellia serrata</i> Roxb.. <i>Physiology and Molecular Biology of Plants</i> , 2013, 19, 105-116.	3.1	13
20	Micropropagation of <i>Uraria picta</i> through adventitious bud regeneration and antimicrobial activity of callus. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011, 47, 488-495.	2.1	11
21	Characterization of influx and efflux silicon transporters and understanding their role in the osmotic stress tolerance in finger millet ( <i>Eleusine coracana</i> (L.) Gaertn.). <i>Plant Physiology and Biochemistry</i> , 2021, 162, 677-689.	5.8	11
22	Biochemical and physiological adaptations of the halophyte <i>Sesuvium portulacastrum</i> (L.) L., (Aizoaceae) to salinity. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 1373-1391.	2.6	10
23	Reduction in hyperhydricity and improvement in in vitro propagation of commercial hard fibre and medicinal glycoside yielding <i>Agave sisalana</i> Perr. ex Engelm by NaCl and polyethylene glycol. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 138, 67-78.	2.3	10
24	In-vitro propagation, callus culture and bioactive lignan production in <i>Phyllanthus tenellus</i> Roxb: a new source of phyllanthin, hypophyllanthin and phylltetralin. <i>Scientific Reports</i> , 2020, 10, 10668.	3.3	10
25	In vitro propagation and cell cultures of memory tonic herb <i>Evolvulus alsinoides</i> : a best source for elicited production of scopoletin. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3463-3476.	3.6	9
26	Genetic diversity using RAPD markers, mineral composition and their correlation in selected local landraces of finger millet [ <i>Eleusine coracana</i> (L.) Gaertn.]. <i>Vegetos</i> , 2019, 32, 1-10.	1.5	9
27	High-performance thin-layer chromatography and indirect TLC- <sup>13</sup> C-MS-based determination of 20-hydroxyecdysone in <i>Sesuvium portulacastrum</i> . <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 193-198.	1.2	7
28	Influence of plant growth regulators on somatic embryogenesis in Niger ( <i>Guizotia abyssinica</i> Cass.): an edible oilseed crop. <i>Journal of Crop Science and Biotechnology</i> , 2022, 25, 225-232.	1.5	5
29	Exposure to NaCl enhances Cd <sup>2+</sup> biosorption potential of <i>Sesuvium portulacastrum</i> (L.). <i>Environmental Technology and Innovation</i> , 2021, 23, 101753.	6.1	3
30	Colchicine induces tetraploids in in vitro cultures of <i>Digitalis lanata</i> Ehrh.: Enhanced production of biomass and cardiac glycosides. <i>Industrial Crops and Products</i> , 2021, 174, 114167.	5.2	3
31	High-Performance Thin-Layer Chromatography Method for Simultaneous Determination of Antipsychotic and Medicinally Important Five <sup>12</sup> C-Labelled Carboline Alkaloids. <i>Journal of Chromatographic Science</i> , 2019, 57, 312-322.	1.4	2
32	Whole-genome characterization and comparative genomics of a novel freshwater cyanobacteria species: <i>Pseudanabaena punensis</i> . <i>Molecular Phylogenetics and Evolution</i> , 2021, 164, 107272.	2.7	2
33	In vitro induction and assessment of tetraploid plants from shoot cultures of diploid Niger ( <i>Guizotia</i> ) Tj ETQq1 1 0.784314 rgBT /Over 501-513.	2.3	2