

# Shubhadeep Roychoudhury

## List of Publications by Citations

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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.

98  
papers

1,335  
citations

19  
h-index

34  
g-index

107  
ext. papers

1,823  
ext. citations

3.4  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
98	Bibliometrics: tracking research impact by selecting the appropriate metrics. <i>Asian Journal of Andrology</i> , <b>2016</b> , 18, 296-309	2.8	158
97	MiOXSYS: a novel method of measuring oxidation reduction potential in semen and seminal plasma. <i>Fertility and Sterility</i> , <b>2016</b> , 106, 566-573.e10	4.8	87
96	Oxidation-reduction potential of semen: what is its role in the treatment of male infertility?. <i>Therapeutic Advances in Urology</i> , <b>2016</b> , 8, 302-318	3.2	84
95	Potential role of green tea catechins in the management of oxidative stress-associated infertility. <i>Reproductive BioMedicine Online</i> , <b>2017</b> , 34, 487-498	4	70
94	Diagnostic application of oxidation-reduction potential assay for measurement of oxidative stress: clinical utility in male factor infertility. <i>Reproductive BioMedicine Online</i> , <b>2017</b> , 34, 48-57	4	68
93	Diagnostic application of total antioxidant capacity in seminal plasma to assess oxidative stress in male factor infertility. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 627-635	3.4	56
92	Copper-induced changes in reproductive functions: in vivo and in vitro effects. <i>Physiological Research</i> , <b>2016</b> , 65, 11-22	2.1	53
91	Oxidative Stress in Cancer Cell Metabolism. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	51
90	The antioxidant and antimicrobial activity of essential oils against spp. isolated from fish. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 1108-1116	4.4	43
89	Role of Withania somnifera (Ashwagandha) in the management of male infertility. <i>Reproductive BioMedicine Online</i> , <b>2018</b> , 36, 311-326	4	42
88	In vitro copper toxicity on rabbit spermatozoa motility, morphology and cell membrane integrity. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 1482-91	2.3	30
87	In vitro study on the effects of lead and mercury on porcine ovarian granulosa cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 320-31	2.3	29
86	Influence of a 50 hz extra low frequency electromagnetic field on spermatozoa motility and fertilization rates in rabbits. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2009</b> , 44, 1041-7	2.3	28
85	In vitro copper inhibition of the rabbit spermatozoa motility. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2008</b> , 43, 651-6	2.3	28
84	Multi-center evaluation of oxidation-reduction potential by the MiOXSYS in males with abnormal semen. <i>Asian Journal of Andrology</i> , <b>2019</b> , 21, 565-569	2.8	28
83	Cadmium toxicity at low concentration on rabbit spermatozoa motility, morphology and membrane integrity in vitro. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 1374-83	2.3	25
82	Viral Pandemics of the Last Four Decades: Pathophysiology, Health Impacts and Perspectives. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	24

81	In vitro changes in porcine ovarian granulosa cells induced by copper. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2014</b> , 49, 625-33	2.3	20
80	Endocrine disruptive effects of cadmium on steroidogenesis: human adrenocortical carcinoma cell line NCI-H295R as a cellular model for reproductive toxicity testing. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 348-56	2.3	19
79	In vitro effect of nickel on bovine spermatozoa motility and annexin V-labeled membrane changes. <i>Journal of Applied Toxicology</i> , <b>2011</b> , 31, 144-9	4.1	19
78	Male contraceptive efficacy of Ricinus communis L. extract. <i>Journal of Ethnopharmacology</i> , <b>2013</b> , 149, 328-34	5	16
77	Methods to Measure Reactive Oxygen Species (ROS) and Total Antioxidant Capacity (TAC) in the Reproductive System <b>2017</b> , 17-46		16
76	Can a Short Term of Repeated Ejaculations Affect Seminal Parameters?. <i>Journal of Reproduction and Infertility</i> , <b>2016</b> , 17, 177-83	1.5	15
75	Viral pathogenesis of SARS-CoV-2 infection and male reproductive health. <i>Open Biology</i> , <b>2021</b> , 11, 200347		15
74	Oxidative Stress, Testicular Inflammatory Pathways, and Male Reproduction. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	15
73	In vitro toxicity of mercuric chloride on rabbit spermatozoa motility and cell membrane integrity. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 767-74	2.3	13
72	Coenzyme Q10 ameliorates cadmium induced reproductive toxicity in male rats. <i>Physiological Research</i> , <b>2019</b> , 68, 141-145	2.1	12
71	In vitro effects of radiofrequency electromagnetic waves on bovine spermatozoa motility. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2011</b> , 46, 1417-23	2.3	11
70	Possible intracellular regulators of female sexual maturation. <i>Physiological Research</i> , <b>2015</b> , 64, 379-86	2.1	11
69	Current Understanding of Novel Coronavirus: Molecular Pathogenesis, Diagnosis, and Treatment Approaches. <i>Immuno</i> , <b>2021</b> , 1, 30-66		11
68	Milkability assessment of Tsigai, Improved Valachian, Lacaune and F1 Crossbred ewes (Tsigai×Lacaune, Improved Valachian×Lacaune) throughout lactation. <i>Small Ruminant Research</i> , <b>2011</b> , 97, 28-34	1.7	10
67	In vivo and in vitro effect of bendiocarb on rabbit testicular structure and spermatozoa motility. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1301-11	2.3	10
66	Effect of suckling management on productive performance, carcass traits and meat quality of Comisana lambs. <i>Meat Science</i> , <b>2009</b> , 83, 577-83	6.4	10
65	Dietary bioflavonoid quercetin modulates porcine ovarian granulosa cell functions. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2019</b> , 54, 533-537	2.2	9
64	Green tea extract affects porcine ovarian cell apoptosis. <i>Reproductive Biology</i> , <b>2018</b> , 18, 94-98	2.3	9

63	Attenuation of nociceptive pain and inflammatory disorders by total steroid and terpenoid fraction of <i>Euphorbia tirucalli</i> Linn root in experimental in vitro and in vivo model. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 235-250	5.1	9
62	In vitro gossypol induced spermatozoa motility alterations in rabbits. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2009</b> , 44, 730-41	2.2	9
61	Environmental Factors-Induced Oxidative Stress: Hormonal and Molecular Pathway Disruptions in Hypogonadism and Erectile Dysfunction. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	8
60	Effect of mercury on porcine ovarian granulosa cells in vitro. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 839-45	2.3	7
59	response of human ovarian cancer cells to dietary bioflavonoid isoquercitrin. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2019</b> , 54, 752-757	2.2	7
58	In vitro changes in secretion activity of rat ovarian fragments induced by molybdenum. <i>Physiological Research</i> , <b>2014</b> , 63, 807-9	2.1	7
57	Scavenging Properties of Plant-Derived Natural Biomolecule Para-Coumaric Acid in the Prevention of Oxidative Stress-Induced Diseases. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	7
56	Effect of separate and combined exposure of selenium and diazinon on rat sperm motility by computer assisted semen analysis. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2016</b> , 38, 144-149	4.1	7
55	Environmental and occupational exposure of metals and female reproductive health. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	7
54	Human sperm handling in intracytoplasmic sperm injection processes: In vitro studies on mouse oocyte activation, embryo development competence and sperm oxidation-reduction potential. <i>Andrologia</i> , <b>2018</b> , 50, e12943	2.4	6
53	Cumene hydroperoxide induced changes in oxidation-reduction potential in fresh and frozen seminal ejaculates. <i>Andrologia</i> , <b>2018</b> , 50, e12796	2.4	6
52	Accumulation of metals in cancerous and healthy tissues of patients with lung cancer in Southern Poland. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 9-15	2.3	6
51	Antioxidant status and selected biochemical parameters of porcine ovarian granulosa cells exposed to lead in vitro. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2009</b> , 44, 1617-23	2.3	6
50	Malathion-induced sublethal toxicity on the hematology of cricket frog ( <i>Fejervarya limnocharis</i> ). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2009</b> , 44, 673-680	2.2	6
49	Structural comparison, substrate specificity, and inhibitor binding of AGPase small subunit from monocot and dicot: present insight and future potential. <i>BioMed Research International</i> , <b>2014</b> , 2014, 5833-606	3.3	5
48	Molecular Modeling and Dynamics Simulation Analysis of KATNAL1 for Identification of Novel Inhibitor of Sperm Maturation. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2017</b> , 20, 82-92	1.3	5
47	Cobalt-induced hormonal and intracellular alterations in rat ovarian fragments in vitro. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2014</b> , 49, 971-7	2.2	4
46	The Mechanisms and Management of Age-Related Oxidative Stress in Male Hypogonadism Associated with Non-communicable Chronic Disease. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4

45	Oxidation reduction potential: a novel marker of varicocele pathophysiology. <i>Fertility and Sterility</i> , <b>2016</b> , 106, e294-e295	4.8	4
44	The Multiple Actions of Amygdalin on Cellular Processes with an Emphasis on Female Reproduction. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	4
43	Environmental Toxicants and Male Reproductive Toxicity: Oxidation-Reduction Potential as a New Marker of Oxidative Stress in Infertile Men. <i>Environmental Science and Engineering</i> , <b>2019</b> , 99-115	0.2	3
42	Prevalence of with other co-infecting parasites in Barak Valley, Assam, India: a molecular approach. <i>Journal of Parasitic Diseases</i> , <b>2019</b> , 43, 426-442	1.3	3
41	Lead induced alterations in rabbit spermatozoa motility and morphology in vitro. <i>Czech Journal of Animal Science</i> , <b>2016</b> , 61, 391-406	1.1	3
40	Toxic/Hazardous substances and environmental engineering. Foreword. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1201	2.3	3
39	Antioxidant Paradox in Male Infertility: A Blind Eye To Inflammation.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	3
38	Immunological Mechanisms of Vaccine-Induced Protection against SARS-CoV-2 in Humans. <i>Immuno</i> , <b>2021</b> , 1, 442-456		3
37	Puberty Related Changes in Hormonal Levels, Productive Performance, Carcass Traits, and Their Interactions in Slovakian White Gilts. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2010</b> , 23, 182-187	2.4	3
36	Copper affects steroidogenesis and viability of human adrenocortical carcinoma (NCI-H295R) cell line. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2020</b> , 55, 1070-1077	2.3	3
35	Lead and cadmium exposure induces male reproductive dysfunction by modulating the expression profiles of apoptotic and survival signal proteins in tea-garden workers. <i>Reproductive Toxicology</i> , <b>2020</b> , 98, 134-148	3.4	3
34	A Comprehensive Guide to Sperm Recovery in Infertile Men with Retrograde Ejaculation. <i>World Journal of Men's Health</i> , <b>2021</b> ,	6.8	3
33	An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic. <i>Andrologia</i> , <b>2021</b> , 53, e13961	2.4	3
32	Multi-center evaluation of oxidation reduction potential assay in the infertile male. <i>Fertility and Sterility</i> , <b>2017</b> , 108, e317	4.8	2
31	Effect of Lipopolysaccharide and Muramyl Dipeptide on Apoptosis of Bovine Mammary Gland Lymphocytes. <i>Animals</i> , <b>2020</b> , 10,	3.1	2
30	Hypodiploidy as a prominent contributor to chromosomal aneuploidy in transgenic rabbit embryos. <i>Czech Journal of Animal Science</i> , <b>2008</b> , 53, 388-397	1.1	2
29	Ovarian steroid hormone secretion activity examined after supplementation of green tea extract. <i>Physiological Research</i> , <b>2017</b> , 66, 1057-1059	2.1	2
28	Synthesis, In Silico Study, and Anti-Cancer Activity of Thiosemicarbazone Derivatives. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2

27	Phytochemicals from Indian Ethnomedicines: Promising Prospects for the Management of Oxidative Stress and Cancer. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
26	Herbal medicine use to treat andrological problems: Asian and Indian subcontinent: Ginkgo biloba, Curcuma longa, and Camellia sinensis <b>2021</b> , 129-146		2
25	Pathological Roles of Reactive Oxygen Species in Male Reproduction. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 41-62	3.6	2
24	Ovarian steroid hormone secretion by human granulosa cells after supplementation of sambucus nigra l. extract. <i>Physiological Research</i> , <b>2021</b> , 70, 755-764	2.1	1
23	Molecular mechanism(s) of regulation(s) of c-MET/HGF signaling in head and neck cancer.. <i>Molecular Cancer</i> , <b>2022</b> , 21, 31	42.1	1
22	Comprehensive Analysis of Global Research on Human Varicocele: A Scientometric Approach.. <i>World Journal of Men's Health</i> , <b>2022</b> ,	6.8	1
21	Butterfly of Assam University Campus in Silchar: Can Academic Institutions Contribute to Conservation of Species Diversity in Northeastern Region of India?. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , <b>2015</b> , 63, 731-739	0.5	1
20	In vitro assessment of the impact of nickel on the viability and steroidogenesis in the human adrenocortical carcinoma (NCI-H295R) cell line. <i>Physiological Research</i> , <b>2020</b> , 69, 871-883	2.1	1
19	A Preliminary Checklist of Herpetofauna Occurring in Rowa Wildlife Sanctuary, Tripura, India. <i>Environmental Science and Engineering</i> , <b>2020</b> , 225-233	0.2	1
18	Socio-economic and Eco-biological Dimensions in Resource Use and Conservation: Epilogue. <i>Environmental Science and Engineering</i> , <b>2020</b> , 547-553	0.2	1
17	Immunotherapy for Alzheimer's Disease: Current Scenario and Future Perspectives. <i>journal of prevention of Alzheimer's disease, The</i> , <b>2021</b> , 8, 534-551	3.8	1
16	COVID-19, Oxidative Stress, and Male Reproductive Dysfunctions: Is Vitamin C a Potential Remedy?. <i>Physiological Research</i> , 47-54	2.1	1
15	Is there impact of the SARS-CoV-2 pandemic on steroidogenesis and fertility?. <i>Physiological Research</i> , <b>2021</b> , 70, S161-S175	2.1	1
14	Reactive Oxygen Species in the Reproductive System: Sources and Physiological Roles. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 9-40	3.6	1
13	Antioxidative effect of dietary flavonoid isoquercitrin on human ovarian granulosa cells HGL5 in vitro. <i>Physiological Research</i> , <b>2021</b> , 70, 745-754	2.1	0
12	Differential Activity of Antioxidants in Testicular Tissues Following Administration of in Gamma-Irradiated Swiss Albino Mice.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 774444	5.6	0
11	Herpetofaunal Diversity and Conservation Status in Amchang Wildlife Sanctuary of Assam, India. <i>Environmental Science and Engineering</i> , <b>2020</b> , 217-223	0.2	0
10	Socio-Economic and Eco-Biological Dimensions in Resource Use and Conservation: Prologue. <i>Environmental Science and Engineering</i> , <b>2020</b> , 1-10	0.2	0

9	A Comparative Cross-Platform Meta-Analysis to Identify Potential Biomarker Genes Common to Endometriosis and Recurrent Pregnancy Loss. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3349	2.6	o
8	In vitro effect of ferrous sulphate on bovine spermatozoa motility parameters, viability and Annexin V-labeled membrane changes. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257766	3.7	o
7	Oxidative Stress and Idiopathic Male Infertility. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 181-204	3.6	o
6	Pathogenesis of Viral Infections and Male Reproductive Health: An Evidence-Based Study. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 325-343	3.6	o
5	Herbal aphrodisiac biomolecules in the management of male reproductive and sexual problems: connecting nature with clinics <b>2022</b> , 591-611		
4	Herbal antilithiatic biomolecules <b>2022</b> , 573-590		
3	Wildlife Conservation Perspective of Fringe Villagers and Their Socio-economic Dependency: A Case Study from Borail Wildlife Sanctuary, Assam, India. <i>Environmental Science and Engineering</i> , <b>2020</b> , 287-301	0.2	
2	Aggressive Behavior of Phayre's Leaf Monkeys Towards Domestic Dogs in Cachar District of Assam, India. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , <b>2015</b> , 63, 1105-1109	0.5	
1	Malathion-induced sublethal toxicity on the intestine of cricket frog ( <i>Fejervarya limnocharis</i> ). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2011</b> , 46, 691-6	2.2	