


## CURRICULUM VITAE

Profile		
<b>Name:</b>	<b>Dr. JOY SARKAR, FLS</b>	
<b>Date of Birth</b>	2 <sup>nd</sup> December, 1980	
<b>Sex</b>	Male	
<b>Marital Status</b>	Married	
<b>Nationality</b>	Indian	
<b>Official Address</b>	108, Sreerampur Road North, 3 <sup>rd</sup> Floor, P.O. Garia, Kolkata 700084, West Bengal, India. Mobile: +91 9474148969; +91 8017890312 E-mail: jsarkar80@gmail.com	
<b>Permanent Address</b>	Ashram Road, 2 <sup>nd</sup> Bye-lane, East Hazrapara, P.O. & Dist. Cooch Behar 736101 West Bengal, India.	
<b>Personal Home Page URL</b>	<a href="http://www.drjoysarkar.co.in/">http://www.drjoysarkar.co.in/</a>	

## Academic Qualification

- ✚ **M.Sc. in Botany** and specialization in Mycology and Plant Pathology (First Class with distinction), 2004, Darjeeling Govt. College, University of North Bengal, India.
- ✚ **Ph.D. in Science** on “Mycogenesis of metal nanoparticles using culture filtrate of a phytopathogen *Alternaria alternata* (Fr.) Keissl.” 2017, University of Calcutta, India.

<b>Present Status</b>	<ul style="list-style-type: none"> <li><i>Assistant Professor (Grade 2) of Botany appointed at Dinanbandhu Andrews College, Garia, Kolkata 700084 through the recommendation of College Service Commission (CSC), West Bengal</i></li> </ul>
<b>Teaching Experience</b>	<ul style="list-style-type: none"> <li><i>16 years</i></li> </ul>
<b>Honorary Fellowship</b>	<ul style="list-style-type: none"> <li><i>Fellow of the Linnean Society of London (FLS)</i></li> </ul>

<b>Eligibility Examinations and Scholarships</b>  <b>Qualified:</b>	<ul style="list-style-type: none"> <li><i>National Eligibility Test, Council of Scientific and Industrial Research (CSIR); December, 2005 (LS)</i></li> <li><i>National Eligibility Test, Council of Scientific and Industrial Research (CSIR); June, 2006 (UGC-JRF-LS)</i></li> <li><i>National Eligibility Test, Council of Scientific and Industrial Research (CSIR); June, 2007 (CSIR-JRF-LS)</i></li> <li><i>National Eligibility Test, Council of Scientific and Industrial Research (CSIR); December, 2007 (CSIR-JRF-LS)</i></li> <li><i>State Level Eligibility Test, College Service Commission (CSC), West Bengal; 2006</i></li> <li><i>Graduate Aptitude Test in Engineering, Organizing by Indian Institute of Technology IIT), India; 2006</i></li> </ul>
<b>Research Awards</b>	<ul style="list-style-type: none"> <li><i>Best Poster Award in the International Conference on “The Green Planet: past, present and future.” Organized by CAS Phase VII, Department of Botany, University of Calcutta in collaboration with Probir Chatterjee Research Foundation and Botanical Survey of India, 2016.</i></li> <li><i>Best Poster Award in the International Symposium on “Nature, Microbes and Society”. Organized by Mycological Society of India, 2020.</i></li> </ul>

Doctoral work	
<b>Title</b>	<i>“Mycogenesis of metal nanoparticles using culture filtrate of a phytopathogen Alternaria alternata (Fr.) Keissl.”</i>
<b>Place</b>	University of Calcutta
<b>Supervisors</b>	Dr. Krishnendu Acharya ( <i>University of Calcutta</i> )
<b>Qualifying Year of RET</b>	2011 ( <i>Under University of Calcutta</i> )
<b>Date and number of registration</b>	29/08/2011; 3605 Ph.D. (Sc.) Proceed/2011 ( <i>Under University of Calcutta</i> )
<b>Qualifying Year of Course Work</b>	09.10.2012 ( <i>Under University of Calcutta</i> )
<b>Ph.D Submitted</b>	26.08.2016
<b>Ph.D Awarded</b>	11.04.2017
<b>Research Experience</b>	<b>15 years</b>
<b>Teaching &amp; other Experience</b>	<ul style="list-style-type: none"> <li>• <i>2 years 6 months (17.02.2006 to 22.09.2008) (Asst. Teacher at Bararangrash Dineswari High School, Cooch Behar, West Bengal).</i></li> <li>• <i>16 years (23.09.2008 to till to date) (Associate Professor, IQAC Coordinator, NAAC Coordinator, GB Member &amp; Former Head, Dept. of Botany, Dinabandhu Andrews College, Kolkata, West Bengal).</i></li> </ul>

Professional Memberships
✓ <i>Life Member of Indian Mycological Society (I.M.S)</i>
✓ <i>Life Member of Indian Science Congress Association (I.S.C.A)</i>
✓ <i>Life Member of Botanical Society of Bengal (B.S.B)</i>
✓ <i>Life Member of Paschim Banga Vigyan Mancha</i>
Honorary Memberships
✓ <i>Editorial Board Member of “Frontiers of Bioscience: Landmark” Journal (2021-2023)</i>
✓ <i>Editorial Board Member of “International Journal of Botany Studies” Journal</i>

- ✓ Guest Editorial of “Frontiers of Bioscience: Elite” Journal (2021-2023)
- ✓ Guest Associate Editorial of “frontiers of Soil Science” Journal (2022-2024)

<b>Techniques learned</b>	General techniques in Microbiology, Mycology and Plant Pathology, Fermentation techniques, Spectroscopy, Electron Microscopy etc.
<b>Other Activities</b>	Skills of Computer software (Knowledge of Windows applications, office C, C++ etc.)

- Statistics regarding Publications made by ResearchGate, Google Scholar, Orchid, Scopus, Sciprofile, Loop profile and Web of Science (Publons) Profile**

RG Score: 24.41

Publications: 46

Books Published: 04

Total Impact Points: 120.039

h index: 24 (As per Scopus)

i-10 index: 31

Views: 9.1k

Downloads: 519

Citations: 2407

Orcid id: <https://orcid.org/0000-0002-6404-7428>

QR code of Orcid id:



Scopus Author id: 37049136000

Sciprofile: 1505355

Loop profile id: 1256554

Web of Science ResearcherID: AAR-2992-2021

- Research Project**

<b>Name of the Principal Investigator</b>	<b>Title of the Project and Duration</b>	<b>Amount Sanctioned</b>	<b>Funding Agencies</b>
Dr. Joy Sarkar	Bio-reduction of different metal nanoparticles using bryophytes of Kolkata and adjoining areas (2014-2016)	3,75,000.00	UGC (Minor project)

**National and International level symposium / Seminar / Workshop attended/ Organized**

- International Symposium on Agriculturally Important Microorganisms: Conservation, Utilization, Bioremediation and Ecological Significance, Organized by Indian Mycological Society,

Department of Botany, University of Calcutta, 2006.

- + UGC Sponsored National Seminar on Stress, Drug Development and Nanotechnology. Organized by Departments of Botany, Chemistry and Zoology, Bethune College, Kolkata, 2009.
- + National Workshop on Bioinformatics. Organized by DBT-Centre of Bioinformatics, Presidency College, Kolkata, 2009.
- + UGC Sponsored State Level Seminar on Playing God: Expanding Frontiers of Biotechnology. Organized by Department of Botany, Gurudas College, Kolkata, 2009.
- + National Symposium on Microorganisms and Their Role in Plant and Human Affairs. Organized by Indian Mycological Society, Department of Botany, University of Calcutta, 2009.
- + International Seminar on Computational Chemistry, Drug Delivery and Design. Organized by DBT-Centre of Bioinformatics, Presidency College, Kolkata, 2009.
- + UGC Sponsored National Seminar on Recent Reforms in Education in India: Trends and Challenges. Organized by B.T. & Evening College and Tufanganj College, Cooch Behar, 2010.
- + National Workshop on Structural Bioinformatics and QSAR. Organized by DBT-Centre of Bioinformatics, Presidency University, Kolkata, 2011.
- + UGC Sponsored National Level Seminar. Organized by Departments of Commerce and Economics, Dinabandhu Andrews College, Kolkata, 2011.
- + 1<sup>st</sup> National Workshop for College Teachers on Application of Flow Cytometry, Cell Sorting and Imaging in Biological Research. Organized by Centre for Nanoscience and Nanotechnology, University of Calcutta, 2011.
- + UGC Sponsored National Seminar on Modern Biology and Its Impact on Public Health. Organized by Departments of Microbiology, Molecular Biology & Zoology, Dinabandhu Andrews College, Kolkata, 2012.
- + College Level One Day Workshop on General Guidelines of CAS, RUSA & NAAC for Government Aided Colleges. Organized by WBCUPA in Collaboration with Sagar Mahavidyalaya, 2014.
- + One Day College Level Symposium on Matrix and Dynamics of Teaching and Its Documentation in Higher Education. Organized by Behala College, Kolkata, 2014.
- + National Symposium on Mycological Research – Emerging Trends, Applications and Prospects and 41<sup>st</sup> Annual Meeting of Mycological Society of India. Organized by Department of Botany, Punjabi University, Patiala -147 002 (Punjab), India in Collaboration with Mycological Society of India, 2015.
- + UGC Sponsored National Workshop on Cultivation of Edible Mushrooms: Techniques and Agri-Business Prospects. Organized by Departments of Botany, Sarsuna College, Kolkata in Collaboration with Departments of Botany, Vivekananda College, Kolkata, 2015.
- + International Conference on The Green Planet: past present and future. Organized by Department

of Botany, University of Calcutta in Collaboration with Probir Chatterjee Research Foundation & Botanical Survey of India, Kolkata, India 2016.

- + Workshop on Semesterized CBCS Syllabus in Botany (Honours and General), University of Calcutta organized Jointly by UGBOS in Botany and Department of Botany, University of Calcutta, 2018.
- + Workshop on B.Sc Practical Syllabus (Algae and Fungi) organized by Probir Chatterjee Research Foundation in Collaboration with Department of Botany, University of Calcutta, 2018.
- + Two Weeks Faculty Development Programme on “Managing Online Classes and Co-Creating Moocs” (20.04.2020 to 06.05.2020) organized by Ramanujan College in collaboration with MHRD-PMMNMTT.
- + Two Weeks Online Workshop on "Comprehensive e-Learning to e-Training guide for Administrative Work" (25.05.2020 to 05.06.2020) organized by Ramanujan College in collaboration with MHRD-PMMNMTT.
- + Three Days International Symposium on “Nature, Microbes and Society” organized by Indian Mycological Society in collaboration with Department of Botany, University of Calcutta (06.02.2020 to 08.02.2020).
- + Three Days Workshop on “B.Sc Practical Syllabus (Plant Geography, Ecology and Evolution, Economic Botany, Genetics)” organized by Probir Chatterjee Research Foundation in collaboration with CAS, Department of Botany, University of Calcutta (06.02.2020 to 08.02.2020).
- + One Day National Webinar on “Herbal Resources and their Role in Boosting Immunity against COVID-19” organized by School of Studies in Botany and S.K. Jain Institute of Ethnobotany, Jiwaji University, Gwalior (15.06.2020).
- + One Day National Webinar on “COVID-19: Economy, Polity and Social Media” organized by IQAC, Bethune College, Kolkata (19.06.2020).
- + One Day International Online Faculty Enrichment Programme on “Tips & Tricks for Publishing in International Scientific Journals” organized by Department of Zoology, Chemistry, Botany & Physics, Surendranath College, Kolkata (20.06.2020).
- + One Day International Webinar on “Biodiversity Conservation and Sustainable Development” organized by IQAC, Prof. Dr. N.D. Patil Mahavidyalaya, Malkapur-Perid, Maharashtra (28.06.2020).
- + One Day International Webinar & Panel Discussion on “Prevention & Control of Vector Borne Diseases amidst COVID-19” organized by IQAC, Surendranath College, Kolkata (24.06.2020).
- + One Day National Webinar on “Care to Biodiversity” organized by ENVIS RP on Environmental Biotechnology. University of Kalyani (05.06.2020).
- + One Day National Webinar on “SARS COV-2: Virus and Health Issues” organized by IQAC, Bethune College, Kolkata (12.06.2020).
- + One Day State-Level Webinar on “Virtual Learning: Layers” organized by The Central Library & IQAC, Sarojini Naidu College for Women, Kolkata (25.06.2020).
- + Two Weeks Faculty Development Programme on “Advanced Concepts for Developing MOOCs” (02.07.2020 to 17.07.2020) organized by Ramanujan College in collaboration with MHRD-PMMNMTT.
- + Three Days International Webinar on “Frontiers in Biological Sciences (Chapter IV)” organized by Department of Microbiology in collaboration with IQAC, St. Xavier’s College, Kolkata on



Environmental Biotechnology. (02.07.2020 to 04.07.2020).

- + One Day online workshop on “Plagiarism and Online Resources” organized by Genesin of Educational Impressions, Roorkee, Uttarakhand, India (19.07.2020).
- + One Day State Level Webinar on “The need for a Strategic Culture in Indian Foreign Policy” organized by Department of Political Science in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (22.07.2020).
- + One Day International Webinar on “The Impact of Covid-19 on the Economic & Society” organized by Department of Commerce in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (28.07.2020).
- + One Day National Webinar on “Contemporary Issues in Biosciences” organized by School of Life Science, Mahatma Gandhi Central University (04.08.2020).
- + One Day International Webinar on “Science, Biology and the World’s Future” organized by Department of Botany in collaboration with IQAC, Dinabandhu Andrews College, Kolkata. (25.08.2020).
- + One Day State Level Webinar on “Gender Sensitization” organized by Kanyashree Committee in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (07.02.2021).
- + One Day International Webinar on “From Where Do Research Ideas in Economics, Mathematics, Finance and Statistics Come? A Case Study” organized by Department of Economics and Department of Mathematics in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (05.02.2021).
- + One Day State Level Webinar on “A Tour of Cosmos” organized by Department of Geography in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (12.02.2021).
- + One Day State Level Webinar on “Pharmaceutical Advance- Futuristic View” organized by Department of Chemistry in collaboration with IQAC, Dinabandhu Andrews College, Kolkata (25.05.2021).
- + One Day National Conference on “Recent Trends in Sciences” organized by Fakir Chand College, West Bengal (28.04.2023).
- + One Day Nation Seminar and Poster Competition on “Think outside the box. Be an Entrepreneur” organized by Department of Botany, Dinabandhu Andrews College (12.05.2023)
- + Two Days Skill Development and Entrepreneurship Workshop on Mushroom Cultivation Department of Botany, Microbiology, Career Counselling and Placement Cell, Dinabandhu Andrews College in association with Earth Star Mushroom (23.03.2024-24.03.2024)
- + One Day Workshop on “Horticultural Techniques” organized by Department of Botany, Bethune College (07.01.2025).
- + One Day Inter-College Workshop on “Horticulture” organized by Departments of Botany of Dhruba Chand Halder College, Fakir Chand College, and Raidighi College. (17.01.2025).

## Publications

### • Papers

2010

1. S. Saha, Joy Sarkar, D. Chattopadhyay, S. Patra, A. Chakraborty, Krishnendu Acharya, Production of silver nanoparticles by a phytopathogenic fungus *Bipolaris nodulosa* and its antimicrobial activity. *Digest Journal of Nanomaterials and Biostructures*. Vol. 5 (4) Page No. 887-895, 2010. ISSN: 1842-3582, Impact Factor: 0.963. (Scopus Indexed: Cite Score-1.5) (Citation index: 116)

2011

2. Joy Sarkar, S. Saha, D. Chattopadhyay, S. Patra, Krishnendu Acharya, Mycosynthesis of silver nanoparticles and investigation of their antimicrobial activity. *Journal of NanoScience, NanoEngineering & Application* Vol. 1 (1) Page No. 17-26, 2011. ISSN: 2231-1777. (Citation index: 17)
3. Joy Sarkar, D. Chattopadhyay, S. Patra, S.S. Deo, S. Sinha, M. Ghosh, A. Mukherjee, Krishnendu Acharya, *Alternaria alternata* mediated synthesis of protein capped silver nanoparticles and their genotoxic activity. *Digest Journal of Nanomaterials and Biostructures* Vol. 6 (2) Page No. 563-573, 2011. ISSN 1842-3582, Impact Factor: 0.963. (Scopus Indexed: Cite Score-1.5) (Citation index: 50)
4. Joy Sarkar, P. Dey, S. Saha, Krishnendu Acharya, Mycosynthesis of Selenium Nanoparticles. *Micro and nano letters* Vol. 6 (8) Page No. 559-602, 2011. ISSN 1750-0443, Impact Factor: 0.975. (Scopus Indexed: Cite Score-1.8) (Citation index: 125)
5. D. Maity, M.K. Bain, B. Bhowmick, Joy Sarkar, S. Saha, Krishnendu Acharya, M. Chakraborty, D. Chattopadhyay, *In Situ Synthesis, Characterization and Antimicrobial Activity of Silver Nanoparticles using Water Soluble Polymer*. *Journal of Applied Polymer Science* Vol. 122 Page No. 2189-2196, 2011. ISSN 0021-8995, Impact Factor: 3.125. (Scopus Indexed: Cite Score-4.7) (Citation index: 73)

2012

6. Joy Sarkar, S. Ray, D. Chattopadhyay, A. Laskar, Krishnendu Acharya, Mycosynthesis of gold nanoparticles by a phytopathogen, *Alternaria alternata*. *Bioprocess and Biosystems Engineering* Vol. 35 (4) Page No. 637-643, 2012. ISSN 1615-7591, Impact Factor: 3.210. (Scopus Indexed: Cite Score-4.5) (Citation index: 104)
7. Joy Sarkar, S. Saha, P. Dey, Krishnendu Acharya, Production of selenium nanorods by a phytopathogen, *Alternaria alternata*, *Advanced Science Letters* Vol. 5 Page No. 1-4, 2012. ISSN 1936-6612, Impact Factor: 0.279. (Scopus Indexed: 2010-2017) (Citation index: 14)
8. K.P. Bankura, D. Maity, M.M.R. Mollick, D. Mondal, B. Bhowmick, M.K. Bain, A. Chakraborty, Joy Sarkar, Krishnendu Acharya, D. Chattopadhyay, Synthesis, characterization and antimicrobial activity of dextran stabilized silver nanoparticles in



aqueous medium. *Carbohydrate Polymers* Vol. 89 Page No. 1159-1156, 2012. ISSN 0144-8617, Impact Factor: 9.381. (Scopus Indexed: Cite Score-13.4) (Citation index: 264)

9. R. Datta, Joy Sarkar, Krishnendu Acharya, An insight into the kinships of the fungi, *Nature Precedings*, 2012. <<http://hdl.handle.net/10101/npre.2012.7095.1>> ISSN 1756-0357.
10. D. Maity, Md. M.R. Mollick, D. Mondal, B. Bhowmick, M.K. Bain, K. Bankura, Joy Sarkar, Krishnendu Acharya, D. Chattopadhyay, Synthesis of methylcellulose–silver nanocomposite and investigation of mechanical and antimicrobial properties, *Carbohydrate Polymers*, Vol. 90(4) Page No. 1818-1825, 2012. ISSN 0144-8617, Impact Factor: 9.381. (Scopus Indexed: Cite Score-13.4) (Citation index: 67)
11. Md. M.R. Mollick, B. Bhowmick, D. Maity, D. Mondal, M.K. Bain, K. Bankura, Joy Sarkar, D. Rana, Krishnendu Acharya, D. Chattopadhyay, Green synthesis of silver nanoparticles using *Paederia foetida* L. leaf extract and assessment of their antimicrobial activities, *International Journal of Green Nanotechnology*, Vol. 4 Page No. 230-239, 2012. ISSN 1943-0876. (Scopus Indexed: 2012-2014) (Citation index: 47)

#### 2013

12. Joy Sarkar, S.K. Roy, A. Laskar, D. Chattopadhyay, Krishnendu Acharya, Bioreduction of chloroaurate ions to gold nanoparticles by culture filtrate of *Pleurotus sapidus* Que<sup>1</sup>, *Materials Letters*, Vol. 92 Page No. 313-316, 2013. ISSN 0167-577X, Impact Factor: 3.423. (Scopus Indexed: Cite Score-5.8) (Citation index: 55)

#### 2014

13. Joy Sarkar, M. Ghosh, D. Chattopadhyay, A. Mukherjee, Krishnendu Acharya, Biosynthesis and safety evaluation of ZnO nanoparticles. *Bioprocess and Biosystems Engineering*, Vol. 37 Page No. 165-171, 2014. ISSN: 1615-7591, Impact Factor: 3.210. (Scopus Indexed: Cite Score-4.5) (Citation index: 85)
14. Md. M.R. Mollick, B. Bhowmick, D. Maity, D. Mondal, I. Roy, Joy Sarkar, D. Rana, Krishnendu Acharya, S. Chattopadhyay, D. Chattopadhyay, Green synthesis of silver nanoparticles-based nanofluids and investigation of their antimicrobial activities. *Microfluidics and Nanofluidics*, Vol. 16 Page No. 541- 551, 2014. ISSN: 1613-4982, Impact Factor: 2.529. (Scopus Indexed: Cite Score-5.0) (Citation index: 39)
15. K. Bankura, D. Maity, Md. M. R. Mollick, D. Mondal, B. Bhowmick, I. Roy, T. Midya, Joy Sarkar, D. Rana, Krishnendu Acharya, D. Chattopadhyay, Antibacterial activity of Ag–Au alloy NPs and chemical sensorproperty of Au NPs synthesized by dextran. *Carbohydrate Polymers*, Vol. 107 Page No. 151- 157, 2014. ISSN: 0144-8617, Impact Factor: 9.381. (Scopus Indexed: Cite Score-13.4) (Citation index: 67)
16. Md. M. R. Mollick, B. Bhowmick, D. Mondal, D. Maity, D. Rana, S. K. Dash, S. Chattopadhyay, S. Roy, Joy Sarkar, Krishnendu Acharya, M. Chakraborty, D. Chattopadhyay, Anticancer (in vitro) and antimicrobial effect of gold nanoparticles synthesized using *Abelmoschus esculentus* (L.) pulp extract via a green route. *RSC Advances*, Vol. 4 Page No. 37838–37848, 2014. ISSN: 2046-2069, Impact Factor: 3.361. (Scopus Indexed: Cite Score-5.9) (Citation index: 112)

17. Krishnendu Acharya and Joy Sarkar, Bryo-synthesis of gold nanoparticles. *International Journal of Pharmaceutical Sciences Review and Research*, Vol. 29(1) Page No. 82–86, 2014. ISSN: 0976-044X, Impact Factor: 0.65. (Scopus Indexed: 2010-2016) (Citation index: 9)

2015

18. S. Chandra, N. Chakraborty, A. Dasgupta, Joy Sarkar, K. Panda and Krishnendu Acharya, Chitosan nanoparticles: A positive modulator of innate immune responses in plants. *Scientific Reports*, Vol. 5(15195) Page No. 01–14, 2015. ISSN: 2045-2322, Impact Factor: 5.133. (Scopus Indexed: Cite Score-7.1) (Citation index: 242)

2017

19. Joy Sarkar and Krishnendu Acharya, *Alternaria alternata* culture filtrate mediated bioreduction of chloroplatinate to platinum nanoparticles. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, Vol. 47(3) Page No. 365–369. ISSN: 2045-2322, Impact Factor: 1.716. (Scopus Indexed: Cite Score-1.9) (Citation index: 20)
20. Joy Sarkar, Md. M. R. Mollick, D. Chattopadhyay and Krishnendu Acharya, An eco-friendly route of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> nanoparticles formation and investigation of the mechanical properties of the HPMC- $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> nanocomposites. *Bioprocess and Biosystems Engineering*, Vol. 40 Page No. 351–359. ISSN: 1615-7591, Impact Factor: 3.210. (Scopus Indexed: Cite Score-4.5) (Citation index: 18)
21. A. Dasgupta, Joy Sarkar, M. Ghosh, A. Bhattacharya, A. Mukherjee, D. Chattopadhyay and Krishnendu Acharya, Green conversion of graphene oxide to graphene nanosheets and its biosafety study. *Plos One*, Vol. 12(2) Page No. e0171607. ISSN: 1932-6203, Impact Factor: 3.240. (Scopus Indexed: Cite Score-5.3) (Citation index: 35)

2019

22. G. N. Maity, Joy Sarkar, S. Khatua, S. Mondal and Krishnendu Acharya, Green Synthesis of Silver Nanoparticles using Mangrove Fruit Polysaccharide for Bacterial Growth Inhibition. *Asian Journal of Pharmaceutical and Clinical Research*, Vol. 12(7) Page No. 179–183. ISSN: 2455-3891, Impact Factor: 0.655. (Scopus Indexed: 2009-2018) (Citation index: 5)
23. A. Chatterjee, S. Khatua, Krishnendu Acharya and Joy Sarkar\*, A green approach for the synthesis of antimicrobial bio-surfactant silver nanoparticles by using a fern. *Digest Journal of Nanomaterials and Biostructures*, Vol. 14(2) Page No. 479–490. ISSN: 1842-3582, Impact Factor: 0.963. (Scopus Indexed: Cite Score-1.5) (Citation index: 8)

2020

24. Joy Sarkar, G. N. Maity, S. Khatua, S. Mondal and Krishnendu Acharya, Polysaccharide capped antibacterial silver nanoparticles synthesis using green chemistry. *International Journal of Nano and Biomaterials*, Vol. 9 (1/2) Page No. 80-94. ISSN: 1752-8941, Impact Factor: 0.37. (Scopus Indexed: Cite Score-0.3)
25. Joy Sarkar, N. Chakraborty, A. Chatterjee, A. Bhattacharjee, D. Dasgupta and Krishnendu Acharya, Green Synthesized Copper Oxide Nanoparticles Ameliorate

2021

26. R. Roy, P. Chakraborty, A. Chatterjee and Joy Sarkar\*, Comparative review on left-handed Z-DNA. *Frontiers in Bioscience-Landmark*, Vol. 26 (5) Page No. 29-35. ISSN: 1093-9946, Impact Factor: 4.009. (Scopus Indexed: Cite Score-6.2) (Citation index: 4)
27. S. Das, S. Sarkar, A. Das, S. Das, P. Chakraborty and Joy Sarkar\*, A comprehensive review of various categories of face masks resistant to Covid-19. *Clinical Epidemiology and Global Health*, Vol. 12 (110835) Page No. 1-15, ISSN: 2213-3984, Impact Factor: 2.15. (Scopus Indexed: Cite Score-1.6) (Citation index: 19)
28. J. Sarkar, D. Mridha, Joy Sarkar, J. T. Orasugh, B. Gangopadhyay, D. Chattopadhyay, T. Roychowdhury, Krishnendu Acharya, Synthesis of nanosilica from agricultural wastes and its multifaceted applications: A review. *Biocatalysis and Agricultural Biotechnology*, Vol. 37 (102175), ISSN: 1878-8181, Impact Factor: 3.28. (Scopus Indexed: Cite Score-3.9) (Citation index: 16)
29. A. Chatterjee, D. Mridha, J. Banerjee, S. Chanda, K. Ray, Krishnendu Acharya, M. Das, T. Roychowdhury, Joy Sarkar\*, Green synthesis of iron oxide nanoparticles and their ameliorative effect on arsenic stress relief in *Oryza sativa* seedlings. *Biocatalysis and Agricultural Biotechnology*, Vol. 38 (102207), ISSN: 1878-8181, Impact Factor: 3.28. (Scopus Indexed: Cite Score-3.9) (Citation index: 3)
30. R. Ghosh, Joy Sarkar, D. Ghosh, A Single Case Study on COVID-19 with Ayurvedic Management. *International Journal of Current Research and Review*, Vol. 13 (23) Page No. 13-18, ISSN: 0975-5241, Impact Factor: 1.628. (Scopus Indexed: Cite Score-0.2)
31. P. Bhattacharyya, S. Das, S. Aich, Joy Sarkar\*, COVID-19: morphology and mechanism of the SARS-CoV-2, global outbreak, medication, vaccines and future of the virus. *Frontiers in Bioscience-Elite*, Vol. 13 (2), ISSN: 1945-0508 (Online); 1945-0494 (Print), Impact Factor: 2.25. (Scopus Indexed: Cite Score-4.9)

2022

32. N. Chakraborty, J. Banerjee, P. Chakraborty, A. Banerjee, S. Chanda, K. Ray, Krishnendu Acharya and Joy Sarkar\*, Green synthesis of copper/copper oxide nanoparticles and their applications: a review. *Green Chemistry Letters and Reviews*, Vol. 15 (1) Page No. 185-213. ISSN: 1751-7192 (Online); 1751-8253 (Print), Impact Factor: 4.99 (Scopus Indexed: Cite Score-8.5) (Citation index: 17)
33. A. Kundu, S. Maji, S. Kumar, S. Bhattacharya, P. Chakraborty and Joy Sarkar\*, Clinical aspects and presumed etiology of multisystem inflammatory syndrome in children (MIS-C): A review. *Clinical Epidemiology and Global Health*, Vol. 14 (100966) Page No. 1-12, ISSN: 2213-3984, Impact Factor: 2.15. (Scopus Indexed: Cite Score-1.6) (Citation index: 5)
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