

Consolidated list of Publications (in Journals) of Faculty members of Durgapur Government
College from (July 18 to June 2019)

[IN ALPHABETICAL ORDER OF DEPARTMENTS]

Publications in National and International Journals

Principal

1. **Pramanik P** (2019), Identification of Risk of Cardiovascular Diseases in Asymptomatic Young Adults using Neck Circumference, *International Journal of Pharmacy and Biological Sciences-IJPBS*, Online ISSN: 2230-7605, Print ISSN: 2321-3272
Published: April 2019, UGC Journal no: 46322
2. **Pramanik, P., Ray Chaudhury, A.** (2018) "General and neck obesity are independent determinants of hypertension among Undergraduate Students? - Evidence," Vol 17(7), *IOSR Journal of Dental and Medical Sciences*, 17 (7)
Published: July 2018
<http://www.iosrjournals.org/iosr-jdms/papers/Vol17-issue7/Version-10/H1707104652.pdf>

Department of Bengali

3. **Adhikari R** (2018), Literary Magazine **Ajker Jodhan**- Uttarbanger Loksanskriti- **Probad-Probochon Charcha**, Vol.35 No.3, ISSN 0871-5819, Pg:10-15;
Published: May-June,2018, UGC Journal No: 40742
4. **Roy I** (2018), Itihas O Sanskriti- Bangla Shishu Sahitye Ramayan Charcha: Upendra Kishor Roy chowdhury, 4, Year-2018, ISSN 2394-5737, Page- 9-17.
(An International, Peer- reviewed, Interdisciplinary, Annual Journal)

Department of Botany

1. **Palit D., Mondal.S, Chattopadhyay, P.** (2018) Analysing water quality index of selected pit-lakes of Raniganj Coal Field Area, India. *Environment and Ecology* 36 (4A): 1167-1175_
<http://www.environmentandecology.com/>
WEB OF SCIENCE: ZOOLOGICAL RECORD: <https://mjl.clarivate.com/search-results>
Published: October-December 2018; UGC Journal no: 19719
2. Banerjee S., Banerjee A., **Palit D.** and Roy, P. (2018) Assessment of vegetation under air pollution stress in urban industrial area for green belt development in Durgapur, West Bengal, India. *International Journal of Environmental Science and Technology*.
<https://link.springer.com/article/10.1007%2Fs13762-018-1963-9>
SCI: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/4000148503>
Published: August 2018; UGC Journal no: 3002

Department of Chemistry (* Corresponding author)

1. **Acharjee N*** (2019), Understanding the geometry and [3+2] cycloadditions of nitrile imine in terms of molecular electron density theory, *Indian Journal of Chemistry*, 58A,645-652.
<http://nopr.niscair.res.in/bitstream/123456789/48401/1/IJCA%2058A%286%29%20645-652.pdf>
WEB OF SCIENCE: SCI: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/24110>
Published: June 2019; UGC Journal no: 20729
2. Banerji A, Saha R, **Acharjee N*** (2019), Reaction intermediates for microwave irradiation assisted synthesis of N-Aryl Enaminoketones and their subsequent conversion to quinolines: An experimental and DFT study, *Asian Journal of Research in Chemistry*; Vol:12, No:2: March-April:2019
<http://ajrconline.org/AbstractView.aspx?PID=2019-12-2-13>
Published: March 2019
3. Domingo L R*, Gutiérrez M R-, **Acharjee N*** (2019), A Molecular Electron Density Theory Study of the Chemoselectivity, Regioselectivity, and Diastereofacial Selectivity in the Synthesis of an Anticancer Spiroisoxazoline derived from α -Santonin, *Molecules*, 24,832.
<https://www.mdpi.com/1420-3049/24/5/832>
WEB OF SCIENCE: SCI: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/26370>
Published: February 2019; UGC Journal no: 31607
4. Basak, U., Ghosh, R., Ghosh, T., Majumdar, S., Pakhira, M., **Ghosh, T.**, Chatterjee, D.P. (2018), Synthesis of 'living' Poly(2-Dimethylaminoethyl methacrylate) and Stimuli Responsive/Multifunctional Block Copolymers Effective in Fabrication of CdS 'Smart' 'Q-Particles. *Polymer*, 155,27-41.
<https://www.sciencedirect.com/science/article/abs/pii/S0032386118308498>
<https://doi.org/10.1016/j.polymer.2018.09.013>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
Published: October 2018; UGC Journal no: 38106
5. **Acharjee N*** (2018): Beauty of "Golden Ratio" in paintings, architecture, music, nature and technology, *Communique*, Academic Journal of Durgapur Government College, ISSN No. 0973- 8584. page no. 19-24
Published: September 2018
6. Domingo L R, **Acharjee, N*** (2018), [3+2] Cycloaddition Reaction of C-Phenyl-N-methyl Nitron to Acyclic-Olefin-Bearing-Electron-Donating Substituent: A Molecular Electron Density Theory Study, *Chemistry Select*, 3,1-9.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/slct.201801528>
WEB OF SCIENCE: SCI: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/21100850505>
Published: July 2018; UGC Journal no: 48395
7. **Acharjee N*** (2019), Impact of solar radiation on human health, *CURE (Congregation for Urban and Rural Environment)*, *Environmental Bulletin 2019, Volume XXIV, ISSN:2319-1333*, page no. 4-8, Published: June 2019

Department of Commerce & Economics

1. **Roy S. K, Ray Chaudhury A, Kar S** (2018): Related Party Financial Statements' Disclosure in Indian Corporate Sector-Likelihood of Measuring some Decisive domains, *Communique*, ISSN No. 0973- 8584. page no. 33-44
Published: September 2018
2. **Roy S. K, Roy M, Kar S** (2018): Related Party Financial Statements' Disclosure of selected Indian Business Units: Scanning of some Managerial Components, *International Journal of Computational Engineering and Management*, 21(5), 24.
Published: September 2018

Department of Conservation Biology

1. Mukherjee, J., Karan, S., Chakrabarty, M., Banerjee, A., Rakshit, N, Ray, S. (2019) An approach towards quantification of ecosystem trophic status and health through ecological network analysis applied in Hooghly-Matla estuarine system, India. *Ecological Indicators*, 100,pp.55-68.
<https://doi.org/10.1016/j.ecolind.2018.08.025>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/20292>
Published: May 2019; UGC Journal no: 12432
2. Banerjee, A., Chakrabarty, M., Rakshit, N., Bhowmick, A.R. and Ray, S.(2019). Environmental factors as indicators of dissolved oxygen concentration and zooplankton abundance: Deep learning versus traditional regression approach. *Ecological Indicators*, 100,pp.99-117.
<https://doi.org/10.1016/j.ecolind.2018.09.051>
<https://www.sciencedirect.com/science/article/abs/pii/S1470160X18307489>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/20292>
Published: May 2019 UGC Journal no: 12432

Department of Economics

1. **Ray Chaudhury, A. ,Sinha, M.** "Between-Group Inequality in Education in India: A Sequential Logit Model Analysis", *International Journal of Education Economics and Development (IJEED)*, ISSN: 1759-5681. Vol. 10, No. 3, 2019_
<http://www.inderscience.com/offer.php?id=100669>
Published online: May 2019
UGC Journal no: 2917
2. **Ray Chaudhury, A.** (2018) "Trends of Foreign Exchange Rate in Post Reform India: Testing the Role of Agricultural Exports", *International Journal of Research and Analytical Reviews*, Vol 5(3).http://ijrar.org/viewfull.php?&p_id=IJRAR1903434
Published: August 2018
UGC Journal no: 43602
3. Roy, S. and **Ray Chaudhury, A.** "Women Workforce Participation and their Economic Empowerment: A Study on Nadia District of West Bengal, India", *Journal of Emerging Technologies and Innovative Research*, Vol. 6, Issue 4, pp. 390-397, ISSN: 2349-5162 (UGC),
<http://www.jetir.org/papers/JETIR1904O62.pdf>
Published: April 2019

Department of Geology

1. Aloui, T., Ounis, A., **Dasgupta, P.**, Lourimi, W., Chaabani, F. (2018), Depositional history of the Late Barremian deposits (Sidi Aïch Formation) in central Tunisia and adjacent parts of Algeria: A geostatistical revelation. *Journal of African Earth Sciences*, 143, 278-300. <https://doi.org/10.1016/j.jafrearsci.2017.11.037>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/31815>
Published: July 2018; UGC Journal no : 26329
2. Chakrabarty, A., Mitchell, R.H., Ren, M., Pal, S., **Pal, S.**, Sen, A.K. (2018). Nb–Zr–REE Re-Mobilization and Implications for Transitional Algaic Rock Formation: Insights from the Sushina Hill Complex, India. *Journal of Petrology*, doi:10.1093/petrology/egy084
<https://doi.org/10.1093/petrology/egy084>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/24430>
Published: October 2018; UGC Journal no: 19129
3. **Chattopadhyay P K** (2019) The sulphidic ores and their metamorphism in Rajpura-Dariba deposit, Rajasthan: textural evidences, Shrinkhela Ek Shodhparak Vaicharic Patrika, 6 (5),95-107
<http://www.socialresearchfoundation.com/upoadreserchpapers/3/243/1908170545161st%20prabal%20chhattopadhyay.pdf>
Published: January 2019; UGC Journal no: 40880

Department of Physics

1. **Bhakta N**, Das A, Das D, Yoshimura K, Bajorek A, Chakrabarti P. K (2019), Microstructural analysis, optical and magnetic properties of nanocrystalline Ni doped Dy₂O₃, *Materials Chemistry and Physics*, 227, 332–339.
<https://doi.org/10.1016/j.matchemphys.2019.02.026>
<https://www.sciencedirect.com/science/article/abs/pii/S025405841930121X?via%3Dihub>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/17800>
Published: April 2019; UGC Journal no: 3971
2. **Bhakta N**, Chakrabarti P. K (2019), XRD analysis, Raman, AC conductivity and dielectric properties of Co and Mn co-doped SnO₂ nanoparticles, *Applied Physics A*, 125,73,
<https://doi.org/10.1007/s00339-018-2370-2>
<https://link.springer.com/article/10.1007/s00339-018-2370-2>
WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>
SCOPUS: <https://www.scopus.com/sourceid/27027>
Published: January 2019; UGC Journal no: 8053
3. **Bhakta N**, Inamori T, Shirakami R, Tanioku Y, Yoshimura K, Chakrabarti P. K (2018), Room temperature magnetic ordering and analysis by bound magnetic polaron model of Yb³⁺ doped nanocrystalline zinc oxide (Zn_{0.98}Yb_{0.02}O), *Materials Research Bulletin* 104, 6-14

<https://doi.org/10.1016/j.materresbull.2018.03.020>.

<https://www.sciencedirect.com/science/article/pii/S0025540817336991?via%3Dihub>

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SCOPUS: <https://www.scopus.com/sourceid/24709>

Published: August 2018; UGC Journal no: 3984

Department of Zoology

1. Adhurya S, Adhurya S, **Roy U. S** (2019), Rapid degradation of wetlands and its impact on avifauna: A case study from Ambuja Wetland, West Bengal, India..
Indian BIRDS 15(2), 43-48

https://pdfs.semanticscholar.org/9fd1/baa5cb9a296afa2a432fd71e74799ceedb90.pdf?_ga=2.242901314.1169355840.1584034727-942663672.1552477076

WEB OF SCIENCE: ZOOLOGICAL RECORD: <https://mjl.clarivate.com/search-results>

[Uploaded on 20 March 2019].

2. Gayen D, Dey S, Dey A. K., **Roy U. S.** (2019), Fate of Snakes in an Urban Landscape – A report from Durgapur, Paschim Bardhaman, West Bengal, India. *Zoo's Print* 34(1),12 –17.
https://pdfs.semanticscholar.org/2d8f/177f9794a6e307a948fc421888358236cba5.pdf?_ga=2.81914326.1169355840.1584034727-942663672.1552477076

WEB OF SCIENCE: ZOOLOGICAL RECORD: <https://mjl.clarivate.com/search-results>

Published: January 2019

3. Chattopadhyay S, Dey S, **Roy U. S.** (2018), On the diversity of the vertebrate fauna (excluding fishes) of Panchet Hill (GarhPanchkot), Purulia, West Bengal, India. *Journal of Threatened Taxa*, 10(15), 12979 –12985.

<https://doi.org/10.11609/jott.4102.10.15.12979-12985>

WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>

SCOPUS: <https://www.scopus.com/sourceid/21100806903>

Published: December 2018; UGC Journal no: 11398

4. **Dhali S** (2018): Historical Approaches to the Modern Classification and Systematics of the True Bugs Heteroptera: Hemiptera-A review, *ISSN No. 0973- 8584*. page no. 45-52

Published: September 2018

5. Burman S, **Bhattacharya K**, Mukherjee D, Chandra G (2018). Antibacterial efficacy of leaf extracts of *Combretum album* Pers. against some pathogenic bacteria, *BMC Complementary and Alternative Medicine*, volume-18:213,

<https://doi.org/10.1186/s12906-018-2271-0>. Publisher: Springer, Impact factor:2.73.

<https://bmccomplementmedtherapies.biomedcentral.com/articles/10.1186/s12906-018-2271-0>

WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>

SCOPUS: <https://www.scopus.com/sourceid/34441>

Published: July 2018; UGC Journal no: 15000

6. Singh A, **Kuntal Bhattacharya**, Chandra G (2018) Larvicidal potentiality of the leaf extracts of *Glochidion lanceolarium* (Phyllanthaceae) against the Japanese encephalitis vector *Culex vishnui* (Culicidae), *Oriental Insects*, 53 (2) 267-278, DOI: 10.1080/00305316.2018.1487887, Publisher: Taylor and Francis, Impact factor:0.93

<https://www.tandfonline.com/doi/abs/10.1080/00305316.2018.1487887?journalCode=toin20>

WEB OF SCIENCE: SCIE: <https://mjl.clarivate.com/search-results>

SCOPUS: <https://www.scopus.com/sourceid/21064>

Published: August 2018; UGC Journal no: 36631

7. Das M, Singh A, **Bhattacharya K**, Mukherjee A, Chandra G (2018). Mosquito Larvicidal Efficacy of *Andrographis echioides* (Acanthaceae) Foliages Against Vector of Lymphatic Filariasis *Culex quinquefasciatus* Say (1823). *Proceedings of the Zoological Society*, <https://doi.org/10.1007/s12595-018-0273-z>.

Publisher: Springer, Impact factor:0.57

<https://link.springer.com/article/10.1007%2Fs12595-018-0273-z>

WEB OF SCIENCE: ZOOLOGY: <https://mjl.clarivate.com/search-results>

SCOPUS: <https://www.scopus.com/sourceid/21064>

Published: August 2018; UGC Journal no: 31783