

Research @ MAC

Ongoing Major Research Projects:

- “*Planetary Biodiversity Inventory Grant.*” A Collaborative Research Project”
Co-PI (India) : Dr. Pradip Kumar Kar, Asstt. Professor of Zoology & PI (USA) – Prof. Janine Caira
Funding agency : N.S.F., U.S.A.
Sanction no. : P506/10/1994, and 206/09/H026, National Science Foundation, USA
Project grant : US \$ 3,000,000/-
✚ **M.O.U.** with University of Connecticut : *M.O.U. signed between Dr. Pradip Kumar Kar (WBES) and Provost of University of Connecticut.*
- “*Effect of trehalose on aggregation of fungal glycosidases*”. PI : Dr. Samudra Prasad Banik, Assistant Professor, Department of Microbiology Funding agency : UGC
Sanction No. MRP-MAJOR-BIOT-2013-18871
Project grant : Rs. 1453000/-
- “*Karyosystematic analysis of Indian lentils through fluorescent chromosome banding*”.
PI: Prof. T.B. Jha & CO-PI : Dr. Partha Roy, Associate Professor, Dept. of Botany.
Funding agency : UGC
Sanction No. MRP-MAJOR-BOTA-2013-16394
Project grant : Rs. 15, 96,200/-
- “*Development and testing of herbo nano compounds against experimental snake envenomation*”.
PI - Prof A Gomes & Co-PI- Dr. S. C. Dasgupta, Prof. of Zoology
Funding agency : ICMR
Sanction No. 58/32/2012-BMS dt 04.03.2015
Project grant : Rs. 11,84,140/-
- “*Evaluation of Black tea extract on mother and pups through prenatal and postnatal development of albino rats.*”
PI: Dr. Subir C. Dasgupta, Prof. of Zoology
Funding agency : NTRF
Sanction no: 17 (305)/2013/4423 Dt.11.03.14
Project grant : Rs-13,55,760/-
Student name: Avijit Dey

- *“Development of heterocyclesilicon based OLED”*

PI- Dr. Arijit Chakraborty

Funding agency : DST (Fast Track)

Sanction no: SR/FT/CS-116/2010 dt. 07.06.2012

Project grant : Rs.19,70,000/-

Ongoing Minor Research Projects:

- *“Photophysical Studies of Luminescent Nano sensors Based on Fluorescence Resonance Energy Transfer (FRET)”* PI; Dr Subhodip Samanta Funding agency : UGC Sanction no: PSW-054/14-15, dt. 03.02.15 Project grant : Rs.3, 20, 000/-
- *“Stress and Coping Mechanism Among Middle School Students”*. PI – Dr. Aditi Basu Asst. Prof. of Sociology Funding agency : UGC Sanction No. PHW-079/14-15Dt. 02.02,15 Project grant : Rs. 2,70,000/-
- *“Synthesis, Structural.....Azido Complexes”* PI: Sri Sanju Das, Assistant professor of Chemistry; Funding agency : UGC Sanction no: PSW-197/13-14, dt. 1.08. 14 Project grant : Rs.450000/-
- *“Jitter reduction and design dependent dynamics of carrier/ clock recovery circuit”* PI: Dr Madhusudan Ghosh; Assistant Professor of Physics Funding agency : UGC Sanction no; PSW-058/13-14 dated 18th March, 2014 Project grant : Rs-4,50,0000/-
- *“Monte-Carlo studies of atoms”*, PI: Debaprem Bhattacharya, Assistant Professor of Physics Funding agency : UGC Sanction no:-PSW-057/13-14 dated 18th March, 2014 Project grant : Rs-2,00,000/-
- *“Marine viruses—major players in the plankton ecosystem”*: Mathematical Study PI : Funding agency : UGC Sanction No. F. PSW-37/12-13, dt. 5.2.13 Project grant : Rs-1,92,000/-
- *“Polynuclear Metal Complexes.... Physicochemical studies”* PI : Dr Ambarish Ray Assistant professor of Chemistry Funding agency : UGC Sanction no:PSW-196/13-14, dt. 1.08.14 Project grant : Rs.448000/-

Research Scholars

- **Dinesh Das, Sanatan Murmu and Naznin Kamar** are doing Research under the guidance of **Dr. Pradip Kumar Kar**, Assistant Professor of Zoology
- **Avijit Dey** is doing Research under the guidance of **Dr. Subir Dasgupta**, Professor of Zoology

- **Ahana Das** is doing Research under the guidance of **Dr Samudra Prasad Bannik**, Assistant Professor, Department of Microbiology
- **Nilanjan Chakraborty & Debashis Roy** are doing Research under the guidance of **Dr. Arijit Chakraborty**, Assistant Professor, Department of Chemistry.
- **Sanju Das** is doing Research under the guidance of **Dr. Ambarish Ray** Assistant Professor, Department of Chemistry.

SELECTED PUBLICATION LIST :

Bengali

Books:

- Dr. Kabita Chanda Kobichetanay Nriya o Nataraj / Papyrus / 2011 / Kolkata.
- Dr. Kabita Chanda Rani Chanda : Jibon, kutono kathay / Papyrus / Feb, 2013 / Kolkata.
- Dr. Kabita Chanda Surer Kagal amar bytha (nijer gane Rabindra-Upolobdhi) / Parikatha / Dec 2011 / Editor : Debabrat Chattopadhyay.
- Dr. Kabita Chanda Sishu r Sishu Bhlonatha : Sikto chokh o rikto hater katha kabyo / Kalpratima sahitya Patra / Oct 2012 / Editor : Nalini Kr Chakrvarty.
- Dr. Kabita Chanda Swami Vivekanander Islam Samparkito Chetona / Sudhriti / April 2012 / Editor : Sushil Barman.
- Dr. Kabita Chanda 2ti Galpo : 1. Aam sisrisher Chhaya // 2. Pititi Piriti / Swapnokalpak / Vol.1, yr.1 / 2012 / Editor : Satrajit Basu.
- Dr. Kabita Chanda Geetinatyo Theke Nriyatye : Rabindr Sristi-sutre / Korok / Sarad 2013 / Editor : Tapas Bhowmik.
- Dr. Kabita Chanda Je porechi, Jab halo legechey (Al mahmuder Jal beshya) / Swpnakalpak / Jugmo Sankhya / January-August 2013 / Editor : Satrajit Basu & Soma Basu / ISSN : 2319-3093.
- Dr. Kabita Chanda Gadyer Silpi Rani Chanda / Ekusher Charya / july-Dec 2013 / ISSN : 2319-4871 / Editor : Sandipan Mitra.
- Dr. Kabita Chanda Nataraj Sishyo Rabindranath : Du-ekti prosanga / Book : Satabdi sahitya porikroma / August 2013 / Editor : Alope Roy.
- Dr. Sushobhan Mukhopadhyay Sakta Padabali Pather Bhumika : Publisher- Books Way, Kolkata, ISBN : 978-81-89293-78-9
- Dr. Sushobhan Mukhopadhyay Madhusudan Dutter Prahasanatmak Natak Pather Bhumika, : Publisher- Books Way, Kolkata, ISBN : 978-93-80145-42-6
- Dr. Sushobhan Mukhopadhyay Meghnadnadhbadh Kabya Pather Bhumika (With criticism—Only one Literary Epic in Bengali Literature : Karuna Publisher, ISBN- 976-81-8437-163-5.
- Dr. Sushobhan Mukhopadhyay Prachin Juger Bangla Sahitye Antaja Sanaskriti: Name Of The Edited Book : Pragadhunik Bangla Sahityo, Publisher-Books Space, Kolkata, ISBN- 978-81-922987-0-0

- Dr. Sushobhan Mukhopadhyay Pragadhunik Bangla Sahitye Prodhan Pradhan Anubad : Name Of The Edited Book : Pragadhunik Bangla Sahityo, Publisher-Books Space, Kolkata, ISBN- ISBN- 978-81-922987-0-0
- Dr. Niloy Bakshi "Bisoy O Binnaser Avinabatte " Dhnorai Chorit Manas'- Antaja Jiboner Mahakabba"(Book). Edited by Swagata Das Mohanto. Bongio Sahitya Sansad. Kolkata Boimela, 2012. ISBN: 978-81-89827-82-3.
- Dr. Niloy Bakshi "Bonofuler Mahakabbik Upanyas." "Bonoful : Sattar Abiskar." (Book) Edited by Monoranjan Sardar & Arun Kumar Sanfui. Bongio Kala Kendra. 21 st July, 2010. ISBN: 978-81-908061-82-3.
- Dr. Niloy Bakshi "Narir Abasthan Samassa O Uttaraner Dalil : Prothom Protisruti." "Prosongo : Asapura Devi O ' Prothom Protisruti. '(Book) Edited by Arun Kumar Sanfui & Goutam Das. Pandulipi. May- 2011.
- Dr. Niloy Bakshi 'Rabibar': Premer Amita Rup." " Rabindra Chotogolper Ruprekha." (Book) Edited by Kutubuddin Molla & Rizwana Nasira. Bibekananda Book Store. May – 2013. ISBN: 978-93-80973-21-0.
- Dr. Niloy Bakshi " Annadasankarer Prabandhasahitya : Anneshandhomi manancharchar ruprekha." " Bissotoker Bangla Prabandhachorcha(1901-1947)." (Book) Edited by Utpal Mondal, Rita Modak. Bongio Sahitya Sansad. Kolkata Boimela, 2014. ISBN : 978-93-83590-40-7.

Journals:

- Dr. Kabita Chanda Dampatya Chitrt Galpe : Jathartho Dosar ebong Rabindranth / MAC academic Journal of languages and Social Sciences / Vol. 1 / March, 2015 / Maulana Azad College / Edited by : Dr Kabita Chanda / ISSN : 2395-2431.
- Dr. Niloy Bakshi "Adhunikata- O- Naribad: Bangla Uppannase Binodinira." February-2010, Vol.4, No.2. Academic Journal Of Hooghly Mohsin College. ISSN: 0973-6212.
- Dr. Niloy Bakshi "Bijonder Akkhanbisso O Adhunikatar Sankat; Sandipan Chattopaddhayer Chotogolpo." January-2013. Tabu Ekollobbo. ISSN: 0976-9463.
- Dr. Niloy Bakshi "Malo Jiboner Bhasa O Bhasso:Titas Ekti Nadir Nam."(Krorpotra-Haricharan Bandopadhyay)Prak Sarod- 1418. Korok Sahitya Patrika. Reg. No. - 41092/82.
- Dr. Niloy Bakshi "Chinnopatra; Rabindra Kabitar Sikar Bakar." Sarod Sankha-1419. Annesha Patrika.
- Dr. Niloy Bakshi "Astitwa Giggasay Rabindranath;Prosongo-'Sessaptak O Seslekha'." Sarodsankha-1418. Annesha Patrika.
- Dr. Niloy Bakshi "Bhalobasar Bornomala; Giboner Aparimeyo Sattar Anubhob- Sankha Ghoser Kabita."Sarod Arghya, Saptam Borsho, 1415. Parthiba Patrika.

Botany

- Ghosh. D, Dhar.P, Das. AK and Naim Uddin (2011). Identification and distribution of aeromycoflora in the indoor environment of Shyambazar Metro-Railway Station, Kolkata, India . African J. Microbiology Research. 5(31): 5569-5574.
- Ghosh. D, Dhar.P, Chakraborty. T, Naim Uddin and Das. AK (2014). Study of aeromycoflora in indoor and outdoor environment of National Library, Kolkata. International Journal of Plant Animal and Environmental Sciences. 4(3): 663-672.
- Basu, S., & Jha, T. B (2014). Direct organogenesis, phytochemical screening and assessment of genetic stability in clonally raised *Chlorophytum borivilianum*. J. Environmental and Experimental Biology. 12: 167-178.
- Basu, S., & Jha, T. B (2013). In vitro Root Culture : An Alternative Source of Bioactives in the Rare Aphrodisiac Herb *Chlorophytum borivilianum* Sant et Fern. Plant Tissue Cult. & Biotech. 23(2): 133-146.
- Pandey, Devendra Kumar, Sautrik Basu, and Timir Baran Jha. Screening of different East Himalayan species and populations of *Swertia L.* based on exomorphology and mangiferin content. Asian Pacific Journal of Tropical Biomedicine (Elsevier). (2012): S1450-S1456.
- Basu, S., & Jha, T. B. (2011). Cytogenetic studies in four species of *Chlorophytum Ker-Gawl.*(Liliaceae). The Nucleus (Springer) , 54(3), 123-132.
- Basu, S., Pandey, D. K., & Jha, T. B. (2011). HPTLC analysis of Stigmasterol in three populations of *Chlorophytum borivilianum*. Journal of Tropical Medicinal Plants. 12(2), 147-151.
- Basu, S., & Jha, T. B. (2011). In-vitro propagation of *Chlorophytum nepalense*. Journal of Tropical Medicinal Plants, 12(1), 33-39.
- S.De(Pal),[A.B.De](#) and Anjali Roy (2010). Taxonomy of *Daedalea flavida* Lev.,*Lenzites adusta* Masee and *Lenzites japonica* Berk. and Curt. Journal of Mycopathological Research.48(1):21-34.
- Study about methylation in DPC-9 and DCS-9 parental lines with two Isoschizomers (Mbo1, Sau3A1, and Msp1, Hpa11) . Rajarshi Roy , MAC Journal of Basic and Applied Sciences, Volume-1, November, 1, 2013.

Chemistry

- “The molecular symmetry adapted non – adiabatic coupling terms and diabatic Hamiltonian matrix”, S. Mukherjee, S. Bandyopadhyay, A. K. Paul, and S. Adhikari, Journal of Physics: Conference Series 428, 012008 (2013). Impact Factor: 4.438
- “Construction of Diabatic Hamiltonian Matrix from ab Initio Calculated Molecular Symmetry Adapted Nonadiabatic Coupling Terms and Nuclear Dynamics for the Excited States of Na₃ Cluster”, S. Mukherjee, S. Bandyopadhyay, A. K. Paul, and S. Adhikari , J. Phys. Chem. A, 117 (16), pp 3475–3495 (2013). Impact Factor: 2.775
- ‘Selective fluorescence swing from cysteine to glutathione by switchover from solid to in situ, probe in 100% water and bio-imaging studies for living species’, S. Das, Y. Sarkar,

S. Mukherjee, J. Bandyopadhyay, S. Samanta, P. P. Parui, A. Ray*, *Sensors and Actuators B: Chemical*, B209, 545 (2015) Impact Factor: 4.101

- 'A cyanide selective off-on fluorescent chemosensor with in vivo imaging in 100% water: solid probe preferred over in situ generation', S. Das, S. Biswas, S. Mukherjee, J. Bandyopadhyay, S. Samanta, I. Bhowmik, D. K. Hazra, A. Ray*, P. P. Parui, *RSC Adv.*, 4, 9656 (2014). Impact Factor: 3.708
- 'Cross-talk between ER stress and the MEK/ERK pathway potentiates apoptosis in human triple-negative breast carcinoma cells: Role of a dihydropyrimidone, Nifetepimine', S. Ghosh, A. Adhikary, S. Chakraborty, P. Bhattacharjee, M. Mazumder, S. Putatunda, M. Gorain, A. Chakraborty, G. C. Kundu, T. Das, P. C. Sen, *J. Biol. Chem.* (Paper in Press; published online December 19, 2014; doi: 10.1074/jbc.M114.594028). Impact Factor: 4.651
- 'Involvement of Nifetepimine in Motility and Capacitation of Caprine Spermatozoa', P. Nandi, B. Banerjee, S. Ghosh, A. Chakraborty, K. Jana, P. C. Sen, *Am. J. Experimental Biology*, 1(2), 61-84 (2014). Impact Factor:
- 'A Cs₂CO₃-mediated simple and selective method for the alkylation and acylation of 3,4-dihydropyrimidin-2(1H)-thiones', S. Putatunda, A. Chakraborty, *C. R. Chimie*, 17, 1057–1064 (2014). Impact Factor: 1.483
- 'Nifetepimine, a dihydropyrimidone, ensures CD4⁺ T cell survival in tumor micro-environment by maneuvering Sarco(endo)plasmic reticulum Ca²⁺ ATPase (SERCA)', S. Ghosh, A. Adhikary, S. Chakraborty, P. Nandi, S. Mohanty, S. Chakraborty, P. Bhattacharjee, S. Mukherjee, S. Putatunda, S. Chakraborty, A. Chakraborty, G. Sa, T. Das, P.C.Sen, *J. Biol. Chem.*, 287(39), 32881-32896 (2012). Impact Factor: 4.651
- 'Regioselective N1-alkylation of 3,4-dihydropyrimidine-2(1H)-ones: Screening of their biological activities against Ca²⁺-ATPase', S. Putatunda, S. Chakraborty, S. Ghosh, P. Nandi, S. Chakraborty, P. C. Sen, A. Chakraborty, *Eur. J. Med. Chem.*, 54, 223-231 (2012). Impact Factor: 4.071
- 'Tailor-made chiral pyranopyrans based on glucose and galactose and studies on self-assembly of some crystals and low molecular weight organogel (LMOG)', S. Roy, A. Chakraborty, B. Chattopadhyay, A. Bhattacharya, A. K. Mukherjee, R. Ghosh, *Tetrahedron*, 66, 8512 (2010). Impact Factor: 2.772
- 'Interaction of the excited state intramolecular proton transfer probe 3-hydroxy-2-naphthoic acid with poly N-vinyl-2-pyrrolidone polymer in water: An insight into the water structure in the binding region'. A Pal, SS Maity, S Samanta, PS Sardar, S Ghosh, *Journal of Luminescence*, 130 (11), 1975-1982 (2010) Impact Factor: 2.232
- 'Synthesis, structure, DNA interaction and nuclease activity of rhodium (III)-arylaazoimidazole complexes'. D. Sardar, P. Datta, S. Das, B. Saha, S. Aamanta, D. Bhattacharya, P. Karmakar, C.-D. Chen, C.-J.Chen, C. Sinha*, *Inorg.Chim.Acta.*, 394, 96-106 (2013). Impact Factor: 1.991
- "Electronic spectra of Hydrogen-bonded clusters of 5-indanol in a supersonic free jet", S. Bandyopadhyay, *MAC Journal of Basic and applied sciences*, 2(1), pp 41-45 (2015).

Books

- Fundamentals of Engineering Chemistry – S. Bandyopadhyay and Nirmal Hazra, Chhaya Prakashani Pvt. Ltd. 2009 (1st Edition), 2010 (2nd Edition)
- BPUT Engineering Chemistry - S. Bandyopadhyay, Chhaya Prakashani Pvt. Ltd., 2010
- Chhaya Chemistry (Class XI) – R. Maiti, D.Chakraborty, N.Tewari, S.Roy and S. Bandyopadhyay, Chhaya Prakashani Pvt. Ltd. 2013.

English

Books

- Dr. Sisir Kumar Chatterjee The Fire Sermon: a novel. Books Way: Kolkata, 2010. ISBN: 978-93-80145-22-8. Pages: 357.
- Dr. Sisir Kumar Chatterjee "Tigerising the White--- Traversing the Textual Site of The White Tiger", The Atlantic Critical Review, Quarterly. ed. Mohit K. Ray. January-March 2011. Vol. 10. No. 1. ISSN: 0972-6373. pp. 115-130.
- Dr. Sisir Kumar Chatterjee "Footprints on Water: The Shadow Lines", In Pursuit of Amitav Ghosh: Some Recent Readings. eds. Tapan Kumar Ghosh & Prasanta Bhattacharya. Orient Blackswan: New Delhi, 2013. ISBN: 978-81-250-5166-4. pp. 115-128.
- Dr. Sisir Kumar Chatterjee "We-ing and They-ing: Othering and Violence in The Imam and the Indian", In Pursuit of Amitav Ghosh: Some Recent Readings. eds. Tapan Kumar Ghosh & Prasanta Bhattacharya. Orient Blackswan: New Delhi, 2013. ISBN: 978-81-250-5166-4. pp. 248-256.
- Dr. Parimal Bhattacharya Shangri-Lar Khnojay: Himalaye Guptacharanar Tinshatak (Ababhash: Kolkata, 2014; ISBN: 978-93-80732-32-9).
- Dr. Parimal Bhattacharya Dyanchinama [The Archaeology of a Memory] (Ababhash: Kolkata, Second Enlarged Edition 2012, First Edn. 2007; ISBN: 978-93-80732-25-1).
- Dr. Parimal Bhattacharya Satyi Rupkatha [Civilization, Development and an Odisha Tribe's Struggle for Existence] (Ababhash: Kolkata, 2011; ISBN: 978-93-80732-16-9).
- Dr. Parimal Bhattacharya A Face of Bengal: Looking through the Prism of Basic Education (2010; ISBN: 978-83-908117-9-6).
- Dr. Parimal Bhattacharya Jantranar Uttaradhikar [Memoirs of Genocide Victims] (Ababhash: Kolkata, 2010; ISBN: 978-93-80732-04-6).
- Dr. Parimal Bhattacharya Darjeeling: Smriti Samaj Itihas (Ababhash: Kolkata, 2009. Third Edition January 2015; ISBN: 978-83-908117-2-7).
- Dr. Subhodeep Pal Poem entitled "This Part of the World" in Earthen Lamp Journal. Vol. VII (March-June 2015). Theme – Potpourri. Web. <<http://earthenlampjournal.com/home.php>>.
- Dr. Subhodeep Pal Paper entitled "India's Tryst With Destiny In Sports" in Atul Kumar Thakur (Ed.) India Since 1947: Looking Back at a Modern Nation. New Delhi: Niyogi Books, 2013. 326-335. Print. [ISBN: 978-93-81523-92-6].
- Dr. Subhodeep Pal Paper entitled "Fighting against Forced Harmony: Critiquing Stereotypes in 'Bravely Fought The Queen' and other plays" in Dr. Tutun Mukherjee

(Ed.) The Plays of Mahesh Dattani: An Anthology of Recent Criticism (New Orientations' Series). New Delhi: Pencraft International, 2012. 94-101. Print. [ISBN: 978-93-82178-03-3].

- Dr. Subhodeep Pal Paper entitled "Neutralizing Foreignness: East-West Interfusions in M.G. Vassanji's 'Elvis, Raja' in Dr. Ketaki Dutta (Ed.) New Literatures in English: Fresh Perspectives. Kolkata: The Book World, 2011. 178-189. Print. [ISBN: 978-81-909991-6-8].
- Dr. Subhodeep Pal Paper entitled "Beastly Brains: A Comparative Dialogic Interaction on the 'Savage-Civilized' Difference in Manik Bandopadhyay's Primeval and Nayantara Sehgal's Martand in Journal of the Dept. of English, Vidyasagar University, Midnapore, West Bengal, India. Vol. 8. 2010-11. Print. [ISSN: 0973-3671].
- "What when they don't want to melt in the pot? Challenges to American Multiculturalism from Diasporic Perspective" in P.C. Chakraborty's (Ed) "Critical approaches to Multiculturalism" Kolkata: Books Way, 2010, Pgs 35-39 [ISBN: 978-93-80145-85-3].
- Dr. Madhumita Chanda. "Bhore Motir Kanpasha", Translation of Jayanta Mahapatra's Autobiography Bhoro Motir o kanophoolo Part-1.(Oriya to Bengali), Dasgupta and Co. Pvt. Ltd., Kolkata,2011. ISBN : 978-81-821108-9-2.
- Dr. Madhumita Chanda "Swamijir Shishya Prem O Darshan Chinta", Swami Vivekananda Kale o Kalotore, Ed. Biplab Chakraborty, Pustak Bipanani, Kolkata, 2013. ISBN : 978-93-82663-11-9
- Dr. Madhumita Chanda "To the End of Night", Translation of the first chapter from Jayanta Mahapatra's Autobiography ,Pahini Rati Part-2, Department of English, Maulana Azad College,2013. ISBN: 978-81-928246-3-5
- Dr. Madhumita Chanda Mobility to Stillness: Towards impartiality in Translation, Britter baire, Kolkata, 2014. ISBN: 978-81-925252-7-3

Journals

- Dr. Subhodeep Pal Review of Amitava Ghosh's 'Sea of poppies' (Part I of the Ibis Trilogy) in Literature and Criticism: The Journal of The Literary Society of India, Vol. 7, Pgs. 129-130. April, 2011. ISSN 0974-6021.
- Dr. Madhumita Chanda " Translation as Creative Writing", Journal of the Post- Graduate Department of English, Maulana Azad College, Kolkata, Jan-June 2011. ISSN : 2249-8737.
- Dr. Madhumita Chanda "A Comparative Study of Bankim Chandra Chatterjee's Rajmohan's Wife and Nazir Ahmed Dehlvi's Mirat- ul-Uroos as the first English and the first Urdu Novel in Indian Literature", Journal of Comparative Indian Language and Literature, Vol. II, Calcutta University , 2012. ISSN : 2278-2621.

History

Books

- Dr. Paramita Maharatna "Biharer Zamindarder opor Chait Singher Bidroher Provab: Ekti Paryalochana" Itihas Anushandhan, Vol. 24, 2010.

- Dr. Paramita Maharatna “Administration of Mughal Bihar (1707) the Legacy continued ?” in Administration Society & Politics in Medieval India (1206 – 1707) Ranjan Roy (edited) Kolkata 2010.
- Dr. Paramita Maharatna “Mughal Biharer Shashan Byabastha (1707) Shei Aitizya Bahaman?” Itihas Anushandhan, Vol. 26, 2012.
- Dr. Dhananjoy Bhattacharjee Rana Jang Bahadur and the Sepoy Mutiny: An Analytical Observation, in Sepoy Mutiny -1857: A Miscellany (ISBN 978-81-89036-37-9), 2012, pp.237-249.
- Dr. Dhananjoy Bhattacharjee Changing Status of Women in India: A Journey from the Past to the Present in Metaphorical Visibility: An Indian Perspective (ISBN: 978-81-923688-9-4), July 2012, pp.115-127.
- Dr. Dhananjoy Bhattacharjee “Maulana Abul Kalam Azad and India’s Struggle for Freedom” in Maulana Abul Kalam Azad: Philosophy, Education and Governance (ISBN:13-978-81-928246-0-4), 2014, pp. 89-114.
- Dr. Sucharita Ghosh Sengupta Stability & Crisis : Administration, Politics and Religion under Akbar & Aurengzeb, in Medieval India ed. By Ranjan Kr Ray, 2010. ISBN NO.13-978-81-928246-0-4.
- Dr. Sucharita Ghosh Sengupta Co-edited Metaphorical Visibility : An Indian Perspective, 2012, ISBN 978-81-923688-9-4.
- Dr. Nandini Saila Dasgupta Bangla theyetarer Anginay meyea: Unabingsha satabdi theke Bingsa Satabdir prathamardha Metaphorical Visibility: An Indian perspective 2012 ISBN 978-81923688-9-4.

Journal

- The Rebel Daughters : Emergence of the Brahmikas in late Nineteenth Century Bengal, Modern historical Studies, Vol 7 March 2010-11, Journal of the Department of History, Rabindrabharati University ISSN 0972-6756
- Dr. Dhananjoy Bhattacharjee Changing Status of Indian Women Through the Ages: A Paradigm Shift?, Victorian Journal of Arts, Vol.III, No.I , May 2010 (ISSN:0975-5632), pp.22-28.

Islamic History

Journals

- Asif Zamal Lasker Khilafat Movement and the Hindu-Muslim unity : a case study in Bengal Rabindro journal, Patisore,Naogaon Bangladesh International Journal Feb.2014 ISSN no 2477-1714.
- Asif Zamal Lasker Changing The Capital In Medieval Bengal, Rabindro Journal, Patisore,Naogaon Bangladesh International Journal Jan.2015 ISSN No 2477-1714.

- Asif Zamal Lasker Durgo: Modyo Yuge Banglar Prosasonik o Samorik Vor Kendro Garia Suchintan Society for Social Science, National Journal Vol.2,2015 ISSN NO 1523-2349-526x
- Asif Zamal Lasker Baktiyar Khaljir Bongo Vijay o Ekti Oitihasic Porjalochona Maulana Azad College Journal Vol.1, 2015 (Rostrum Legal Review-ISSN NO. 2321-3787).
- Gourishwar Choudhuri Contribution of Sufism in Religious Policy of Modern India (Rostrum Legal Review-ISSN NO. 2321-3787).

Books

- Asif Zamal Lasker Sultani Yuge Banglar Nagarayan Reference Book, Page 1-223 2014 Progressive Publisher, ISBN No 81-8064-201-1.

Mathematics

Journal:

- N. Das and S. Pal: Mathematical Study of Bacteriophage Infection in Marine System, Journal of the Calcutta Mathematical Society, 8, (2), pp. 87-102 (2012). (ISSN:2231-5314).
- N. Das, S. Pal and J. Chattopadhyay: Spatial effects on viral disease in plankton system, Nonlinear Studies, 20, (1), pp.105-117 (2013). (ISSN: 1359-8678 (print) 2153-4373 (online)).
- N. Das, S. Pal and J. Chattopadhyay: The Role of Viral Infection on a Bacterial Ecosystem with Nutrient Enrichment, Differential Equations and Dynamical Systems, (DOI 10.1007/s12591-013-0161-y), (2013). (ISSN: 0971-3514 (print version) ISSN: 0974-6870 (electronic version)).
- N. Das, S. Pal and J. Chattopadhyay: Dynamics of a ratio-dependent marine bacteriophage infection model with delay, Nonlinear Phenomena in Complex Systems,16(4), pp.314-330 (2013). (ISSN 1561-4085 (Print), ISSN 1817-2458 (Online)).
- N. Das, S. Pal and J. Chattopadhyay: Nutrient Phytoplankton and Virus interaction in marine system, Proc. Math. Seminar 2011, Siliguri College, 2, pp.67-79 (2011).(ISBN: 978-81-909694-2-0).
- N. Das: Mathematical study of a predator-prey model in virus infected plankton system, Mac. Journal of Basic and Applied Sciences, Vol.1, No.1: PP.179-186(2013), November, 2013. ISSN: 2347-5366.

Microbiology

Books

- Banik Samdra Prosad ,Khowala S, Pal, Mukherjee S. Proteomic approaches to identify novel therapeutics and nutraceuticals from filamentous fungi: Prospects and Challenges.

In: Bagchi D, Swaroop A, Bagchi M editors. Genomics, proteomics and metabolomics in nutraceuticals & functional foods (2nd Edition) Wiley Blackwell 2015 (Pgs 265-295).

- Ghorai S, Banik Samudra Prosad, Verma D, Chowdhury S, Mukherjee S, Khowala S (2011) Food Ingredients | Fungal Biotechnology in Food and Feed Processing. In: Murray Moo-Young (ed.), Comprehensive Biotechnology, Second Edition, Vol 3, pp. 603–615. Elsevier.

Journal:

- Debasis Upadhyay, Swapan Bhattacharyya, David K. Ferguson, Subir Bera (2014). Prospects of Apicultural Entrepreneurship in Coastal Districts of Eastern India: A Melissopalynological Evaluation. PLOS ONE, www.plosone.org; April 2014, Vol 9, Issue 4, e94572,
- Soma Pal Saha, Swapan Bhattacharyya and Hrishikesh Chakraborty (2014). Solubilization of tricalcium phosphate by P(3HB) accumulating Azotobacter chroococcum MAL-201, World journal of Microbiology and Biotechnology: 30: November: 1575-1582
- Banik Samudra Prosad, Bhattacharyya S, Ghorai S (2014) Isolation of a new Penicillium chrysogenum strain BF02 from agricultural soil of rural India producing a thermostable low Km cellobiase. Journal of Microbiology, Biotechnology and Food Sciences 3: 322-328. IF 0.98 (2013) ISSN 1338-5178.
- Majumder R, Banik SP, Khowala S (2015) Purification and characterization of a novel k-casein specific milk-clotting metalloprotease from Termitomyces clypeatus MTCC 5091. Food Chemistry 173: 441-448 IF 3.259 (2013) ISSN: 0308-8146
- Banik SP, Mukherjee S, Pal S, Ghorai S, Majumder R, Khowala S (2015) Enhancement of extracellular cellobiase activity by reducing agents in the filamentous fungus Termitomyces clypeatus. Biotechnology Letters 37:175-181 IF 1.732 (2013) ISSN: 0141-5492 (print version) ISSN: 1573-6776 (electronic version)
- Majumder R, Banik SP, Khowala S (2015) Bioremediation by alkaline protease (AkP) from edible mushroom Termitomyces clypeatus: Optimization approach based on statistical design and characterization for diverse applications. Journal of Chemical Technology and Biotechnology 90(10) 1886-1896. IF 2.504 (2012) Online ISSN: 1097-4660.
- Pal S, Banik SP, Khowala S. (2013) Mustard stalk and straw: a new source for production of lignocellulolytic enzymes by the fungus Termitomyces clypeatus and as a substrate for saccharification. Industrial Crops and Products 41: 283– 288. IF 2.469 (2012) ISSN: 0926-6690
- Banik SP, Pal S, Ghorai S, Chowdhury S, Majumder R, Mukherjee S, Khowala S. (2012) In situ reversible aggregation of extracellular cellobiase in the filamentous fungus Termitomyces clypeatus Biotechnology and Bioprocess Engineering 17: 925-936. IF 1.278 (2012). ISSN: 1226-8372 (print version) ISSN: 1976-3816 (electronic version)
- Banik SP, Pal S, Chowdhury S, Ghorai S, Khowala S. (2011) Evidence of an Alternative Route of Cellobiase Secretion in the Presence of Brefeldin A in the Filamentous Fungus Termitomyces clypeatus Journal of Microbiology and Biotechnology 21: 392–400. IF 1.381 (2011). ISSN: 1017-7825 (print version)

- Pal S, Banik SP, Ghorai S, Chowdhury S, Khowala S. (2011) Increased enzyme secretion by 2-deoxy-D-glucose in presence of succinate by suppression of metabolic enzymes in *Termitomyces clypeatus* Carbohydrate Research, 346: 2426-2431. IF 2.332 (2011) ISSN: 0008-6215
- Ghorai S, Pal S, Chowdhury S, Banik SP, Khowala S. (2010) Enhanced activity and stability of cellobiase (β -glucosidase:EC 3.2.1.21) produced in presence of 2-deoxy D-glucose from the fungus *Termitomyces clypeatus*, Carbohydrate Research 345: 1015-1022. IF 2.025 (2010) ISSN: 0008-6215
- Pal S, Banik SP, Ghorai S, Chowdhury S, Khowala S. (2010) Purification and characterization of a thermostable intra-cellular β -glucosidase with transglycosylation properties from filamentous fungus *Termitomyces clypeatus* Bioresource Technology 101: 2412–2420. IF 4.365 (2010) ISSN 0960-8524
- Ruma Sarkar, Rini Roy and Aditi Nag Chaudhuri, Anti-inflammatory effect of *Kalanchoecrenata* extract in mice with experimentally induced inflammation, International Journal of Current microbiology and applied sciences (IJCMAS), Vol 4 (06) June – 2015, ISSN: 2319-7692 (Print) ISSN 2319-7706 (Online), Impact factor 2.015,95-102.
- Rini Roy, MadhulikaGupta and Aditi Nag Chaudhuri, Exploration of a metallothionein in cyanobacteria and bacteria for chromium remediation from industrial wastes, International Journal of Scientific Research, 1st June,2015 issue, Impact factor 3.2416, 11-16.
- S. Pal Saha, Patra A., Ghosh P. B. and Paul A. K (2013) Accumulation of polyhydroxyalkanoic acids by *Azotobacter chroococcum* MAL-201 from organic waste. Journal of Microbiology, Biotechnology and Food Science3 (1) 44-48. Impact factor: 0.3886. ISSN:1388-5178.
- Sabui S., Dutta S., Debnath A., Ghosh A., Hamabata T., Rajendran K., Ramamurthy T., Nataro JP., Sur D., Levine MM., Chatterjee NS. J. Clin. Microbiol. 2012. Real Time PCRbased Mismatch Amplification Mutation Assay for the Specific Detection of CS6expressing Allelic Variants of Enterotoxigenic *Escherichia coli* and its Application in Assessing Diarrheal Cases and Asymptomatic Controls. (IF 4.068) Vol 50, Issue 4;Page No: 1308-12. ISSN: 0095-1137; eISSN: 1098-660X.
- Sabui S., Ghosal A., Dutta S., Ghosh A., Hamabata T., Rajendran K., Ramamurthy T., Nataro JP. Chatterjee NS. J. Med. Microbiol. 2010. Allelic Variation in colonization factor CS6 of enterotoxigenic *Escherichia coli* isolated from patients with acute diarrhoea and controls. (IF 2.297). Vol 59; Page No: 770-779. ISSN: 0022-2615; eISSN: 1473-5644.
- Wong E., Ghosh A., Vaaje-Kolstad G., Hurtado-Guerrero R., Konarev PV., Ibrahim AFM., Svergun DI., Eijsink GH., Chatterjee NS., van Aalten DMF. Plos. Pathogen 2011. The *Vibrio cholerae* Colonization Factor GbpA Possesses a Modular Structure that Governs Binding to Different Host Surfaces. (IF 8.13). Vol 8, Issue 1; Page No: 1-12. ISSN: 1553-7366.
- GhoshA., SabuiS., AcharyaS., BanerjeeK.K., &ChatterjeeN.S. The FASEB Journal 2012. Chitin-binding protein GbpA of *Vibrio cholerae* induces interleukin-8 gene expression in intestinal cells through a TLR2/TLR1/CD14 complex. ISSN: 0892-6638; eISSN: 1530-6860.
- Shakuntala Ghorai, S. Mukherjee, S. Mukherjee and S. Khowala. (2011) Improved Production and Properties of β -glucosidase Influenced by 2-deoxy-D-glucose in the

Culture Medium of *Termitomyces clypeatus* *Biotechnology and Bioprocess Engineering*, 16 (2), 297-304, IF 1.004.

- Rini Roy (Pal) and Aditi Nag Chaudhuri, 'Towards Less Toxic organophosphorus pesticides: Predicting equation of Acetylcholinesterase activity', paper published in *Journal of Indian Society of Toxicology*, January-June, 2011, 007 (001), 24-31, ISSN No. 0973-3558.
- Sanmitra Basu and Rini Roy, 'Mode of action of killing of microorganisms with Vasaka leaf extract' paper published in *Science and Culture*, June, 2011, 77 (5-6), 217-221, ISSN No. 0036-8156.
- Natasa Dasgupta, Rini Roy and Aditi Nag Chaudhuri, Designing Less Toxic to Non-Target Organophosphorus Pesticides Using Phytoremediation, *Lady Brabourne College Science Journal*, Dec, 2012, Vol-3, pp 74-81, ISSN No. 2319-6858.
- Soma Pal Saha, Anindita Halder, Mousam Roy, Mayukh Paul, Satakshi Hazra, Shabnam Jahan Ansari and Rini Roy, Production of thermostable amylase by the gram negative soil isolate BLY01, *Journal of Mycopathological Research*, 2013, 51(1) : 49-56, ISSN: 0971-3719.
- Rini Roy, Neeru Joshi, Moutusi Das and Aditi Nag Chaudhuri, Antifungal properties of leaf extract of Jackfruit plant (*Artocarpus integrifolia*) paper for *MAC journal of Basic and Applied Research*, Vol 1 (1), 2013, 63-75, copyright Maulana Azad College, ISSN: 2347-5366.
- Rini Roy and Aditi Nag Chaudhuri, 'Phytoremediation of organophosphorus pesticide- a cost effective and environment friendly method', full paper published in *Journal of Environment and Sociobiology* (ISSN 0973-0834), Vol. 11 (No. 1), 57-70, June, 2014.
- Rituparna Ghosh & Rini Roy, Vanadium induces ROS and associated testicular toxicity in male Wistar rats, full paper published in *Journal of Environment and Sociobiology* (ISSN 0973-0834), Vol. 11 (No. 1), June, 2014, 101-109.
- Rini Roy, Deboleena Ghosh and Aditi Nag Chaudhuri, Manipulation of Organic acid production in aerobic and anaerobic condition from microorganism isolated from waste water, *MAC journal of Basic and Applied Research*, June, 2015, ISSN: 2347-5366, 2(1) 53-60.
- Rini Roy, Nabodita Bose, Feroza Begum, Shazia Parveen. Sulagna Mandal. Joyita Chatterjee, Priyanka Sengupta and Samudra Prosad Banik, Utilization of Agrowastes as substrates for solid state fermentation by *Penicillium crysogenum* for simultaneous production of cellulolytic enzymes and glucose, *MAC Journal of Basic and Applied Sciences*, June, 2015, ISSN: 2347-5366, 2 (1) 117-126.
- S. Pal Saha, Samudra Prosad Banik, Aninda Majumder, Ayesha Noor, Karishma Biswas, Nasrin Hasan, Nilanjan Banerjee, Punrag Saha, Raina Das, Sarmistha Halder, Shazia Parveen, Shreya Ghosh, Sk. Abdul Mohid, Trishanki Datta and Udit Acharya (2014) 'Bioremediation of methyl parathion by bacterial strains isolated from fresh vegetables.' *Journal of environment and Sociobiology*, 11 (1) 43-56.. ISSN, 0973-0834.
- S. Pal Saha, Bhattacharya A., Ghosh S., Ghosh S., Ghosh S., Shaz H. and Bhattacharyya S. (2013) Biosynthesis of alkaline phosphatase by nonsymbiotic diazotrophs, *Asian Journal of Microbiology, Biotechnology and Environmental Science*, 15 (2): 411-418. ISSN: 09723005

- S. Pal Saha, Hazra S., Halder A., Jahan Ansari S., Roy M., Paul M. and Roy R. (2013) Production of thermostable amylase by the gram negative soil bacterium BLY01. *Journal of Mycopathological Research*, 51(1), 49-56. ISSN0971-3719
- Soma Pal Saha, Shamik Roy, Debanjan Saha (2013) Determination of microbiological status of the raw and pasteurized milk samples from Kolkata market with respect to coliforms. *MAC Journal of Basic and Applied Sciences* 1(1): 91-98. ISSN: 2347-5366.
- S. Pal Saha, Debobani Chakraborty and A. K. Paul (2010) On the role of endogenous poly(3-hydroxybutyric acid) in *Azotobacter chroococcum* MAL-201. *Journal of Botanical Society of Bengal*. 645 (2), 143-148. ISSN, 0971-2976
- Ghosh A.; Chatterjee N.S.; *Recent Advances in Animal Science*. 2011. A Tale of colonization factors of *Vibrio cholerae* with special reference to chitin as environmental host of the bacterium. Vol 6B. Orion Press International. Page No. 702-712. ISBN: 81-880-94-029.
- Banik SP (2013) Glycan structure and function: perspectives in fungal glycoproteomics (2013) *MAC Journal of Basic and Applied Sciences* 1: 77-92 ISSN: 2347-5366.
- Banik SP, Pal S, Ghorai S, Majumder R, Mukherjee S, Chowdhury S Khowala S (2011) Comparative elucidation of properties of sucrase-cellobiase co-aggregate produced in media containing sucrose by *Termitomyces clypeatus* *Indian Journal of Biotechnology* 10: 468-479. IF 0.55 (2011) ISSN: 0975-0967 (Online); 0972-5849 (Print).

Persian

Books

- Dr. Iftakar Ahmed Naqshha-e-Rang Rang, Published in 2012 from Kitabi Duniya, Delhi-110006. ISBN NO. 978-93-80919-43-0.
- Dr. Iftakar Ahmed Tagore ki Shaeri mein Erfan-o-Aagahi Maghrebi Bengal, Urdu, May-July 2010, Special Issue On Rabindranath Tagore, REGD.NO.WB/RNP-148, Vol.No.56, Issue No17-22.
- Dr. Iftakar Ahmed Raqsan Darvesh Rang Rus Issu No.-1 October to December 2010 Published by Little Thespian, Qtly Magazine on Urdu Drama, WBSAR No.S/ 84699
- Dr. Iftakar Ahmed Little Thespian Ka Katha Kulaz Utthab Rang Rus Issu No.-1 October to December 2010 Published by Little Thespian, Qtly Megazine on Urdu Drama, WBSAR No.S/ 84699
- Dr. Iftakar Ahmed Haqeeqat Ki Akkasi Karta drama sawalia Nishan Rang Rus Issu No.-1 October to December 2010 Publ. by Little Thespian, Qtly Mag on Urdu Drama, WBSAR No.S/ 84699
- Dr. Iftakar Ahmed Maulana Azad Ki Farsi Sukhan Gooi (Persian Poetry Of Maulana Azad) Qirtas-e-Azad Proceodings of Seminar, Publisher Educational Publishing House, Delhi.6
- Dr. Iftakar Ahmed Sayyed Imdad Imam Asar Ka Mashraqi Nazarya-e- Tanqeed Bihar Mein Urdu Tahqeeq -o-Tanqeed, Edited By Dr. Mushtaq Ahmed, Principal Millat College, Darbhanga, Bihar Year of Adition 2013, Educational Book House, Delhi-6 ISBN 978-93-5073-100-0.

- Dr. Iftakar Ahmed Bihar Me Urdu Tahqeeqaat Ke Asaasi Maakhaz(Elemenry Sources of Urdu Reasearch in Bihar) Bihar Mein Urdu Tahqeeq -o-Tanqeed, By Dr. Mushtaq Ahmed, Principal Millat College, Darbhanga, Year of Adition 2013 Educational Book House, Delhi-6 ISBN 978-93-5073-100-0.

Journal:

- Dr. Iftakar Ahmed Maulana Azad Ki Farsi Sukhan Gooi (Persian Poetry Of Maulana Azad) Jahan-e-Urdu Bihar, Vol.12, Issue No: 45-46, January to June-2012, R.N.I, No. BIHURD/2001/4075 ISSN.2278-3474
- Dr. Iftakar Ahmed Bihar Me Urdu Tahqeeqaat Ke Asaasi Maakhaz(Elemenry Sources of Urdu Reasearch in Bihar) Jahan-e-Urdu Bihar, Vol.12, Issue No: 47-48, July to December -2012, R.N.I, No. BIHURD/2001/4075 ISSN.2278-3474.
- Dr. Iftakar Ahmed Tareekh-e-Alam Me Farsi Adab Ka Tajziyati Motalia(A Critical Study of Persian Language and Literature in the book of Tareekh-e-Alam) Jahan-e-Urdu Bihar, Vol.13, Issue No: 51-52, July to December 2013, R.N.I, No. BIHURD/2001/4075 ISSN.2278-3474
- Dr. Iftakar Ahmed Khidmat-e-Mutashraheen Rayeeshayee Madarsah Aliah Kolkata Be Zaban-o-Adabiyaat-e-Farsi Indo Iranica (qly. organ of Iran Society Kolkata, Vol., March & June-2013 No. 1&2 ISSN: 0378-0856
- Dr. Iftakar Ahmed Khidmat-e-Mutashraheen Rayeeshayee Madarsah Aliah Kolkata Be Zaban-o-Adabiyaat-e-Farsi Indo Iranica (qly. organ of Iran Society Kolkata, Vol., March & June-2013 No. 1&2 ISSN: 0378-0856.
- Syed Md. Iqbal Shah Alquadri Amir Khusrau, the greatest Persian poet of India, at the court of emperors Arabic-Persian Studies Journal of the Deptt. Of Arabic and Persian, C.U Volume –VI, page 20 English 2013-2014.

Philosophy

Books

- Smt. Anuradha Sen Article titled- 'Jago Durga', published in Prasango: Vivekananda(Selective essays on Swami Vivekananda), Page 54-58, ISBN: 978-81-921612-3-5. First Publication on 25th December, 2013, by Subrata Kumar Nayek, Book Centre, Shantiniketan.
- Dr. Sanghamitra Dasgupta Concept of War: In Indian and western Political Thought", 2013-14 (December, 2013), D.K. Printworld(P) Ltd., New Delhi, ISBN: 13: 978-81-246-0716-9.
- Dr. Suparna Mitra Published the article on "Stress Management with special reference to Yoga" in the journal of 'Behavioural Science in Management Practice', published by the Dept. of Business Management & Academic Staff College, University of Calcutta; ISBN-978-81-927807-1-9, June-2014.
- Dr. Suparna Mitra Published the article on "Manovatavader Aoke Swami Vivekananda" in the Journal 'CHARAIBETI' published by The Principal, Chandernagore College, Hooghly. ISBN-978-81-8208-141-3, 30th July 2014

- Dr. Suparna Mitra Published the article on "Swami Vivekananda's Dristibhangite Advaitavada" in 'MANAN', the academic journal of All Bengal State Government College Teacher's Association, Vol-1, January-2014, ISBN-2348-3849.
- Dr. Suparna Mitra "Jyanatattik Samashya-Pracchya O Proticchyer Alope"- First Impression. Published by Dorling Kindersley (India) Pvt Ltd, licensees of Pearson Education in South Asia, ISBN-978-81-317-8894-3. 2012.

Journals

- Dr. Sanghamitra Dasgupta 'Sarvepalli Radhakrishnan's Reflection on War', Bulletin of the Ramakrishna Mission Institute of Culture, Kolkata, July, 2013; ISSN 0971-2755.
- Dr. Sanghamitra Dasgupta "Concept of soul and An Ideal State in Plato's Republic" in Bulletin of the Ramakrishna Mission Institute of Culture, Kolkata, September, 2014, ISSN 0971-2755.
- Dr. Madhuchhanda Bhattacharyya "Position of Women in Society: A Critical Survey from Manusmriti" in Academic Journal of Hooghly Mohsin College, ISSN-0973-6212, Vol. 4, No. 02, Feb, 2010, pp. 5-9.
- Dr. Madhuchhanda Bhattacharyya "Women Migration and Its Complex Dynamics: A Gender Perspective" in Aureole, Academic Journal of Barasat Govt. College, ISSN-0976-9625, Vol. 5, No. 02, 2014, pp. 17-26.
- Dr. Madhuchhanda Bhattacharyya "World Madeup"! : Goodman's Antirealism Revisited" in MAC Academic Journal of Languages & Social Science, , ISSN 2395-2431, Vol. 1. No.1, pp. 41-47.
- Dr. Suparna Mitra "Gitay Karmoyoga o Kantiyo Naitikata" in MAC Academic Journal of Languages & Social Science, ISSN 2395-2431, Vol. 1. No.1, March, 2015, pp. 133-138.

Political Science

Books

- Prof. Alok Das Co-author of 'Uchhamadhyamik Rashtrabignan' (a book at the higher secondary level in Bengali),2013, published by West Bengal State Book Board , Govt. Of West Bengal, Funded by the Department of Human Resources, Govt. of India under the scheme of Writing Text Book in Regional Languages.
- Prof.Ranjan Kumar Roy 'Concept of Legitimacy in Medieval Indian Administration and Politics' in Administration,Society and Politics in Medieval India – A book edited by R K Ray published by the Department of Political Science and Islamic History, Maulana Azad College. ISBN 13-978-81-928246-0-4, 2010.
- Prof.Ranjan Kumar Roy'Rabindranather Rashtrachintar Samajtatwik Bhatti' in Rabindranather Samaj O Rashtrabhavna, Evenel Press, ISBN 978-93-80761-28-2, 2013.
- Prof. Ranjan Kumar Roy 'Maulana Azad : A Secular Nationalist's Journey Toward Governance' in Maulana Abul Kalam Azad : Philosophy, Education and Governance , edited by self, published by the Departments of Political Science and Economics, Maulana Azad College, Kolkata,2014. ISBN 13-978-81-928246-0-4.s

- Prof. Ranjan Kumar Roy 'Subhas Chandra Bose : A Pilgrim of Revolution in Religion, Dharma and Polity' edited by Rakesh Kumar Jha, Concept Publishing company, New Delhi. ISBN-13-978-81-8069-
- Prof. Barnana Guhathakurata 'Gender and Nationalism: Tagore's Home and the World and Four Chapters' in R.Basu ed. Women and Tagore Recreating the Space in New Millennium, Abhijeet Publications, New Delhi (ISBN 978-93-5074-030-9). Year: 2012.

Journals

- Dr. Manas Mukul Bandyopadhyay Published an Article in (2015) Maulana Azad College Journal of Language & Social Sciences entitled "The Governor: A Figure-head or Above That" with ISSN 2395-2431,
- Dr. Ashis Kumar Basu Paper on Revisiting Political Thought of Sri Aurobindo, Academic Journal of H.M.C, Aug. 2009, Vol. 4, No. 1. ISSN : 0973-6212.
- Dr. Ashis Kumar Basu Paper on Lok Maata Rani Rasmoni O Nari Shaktir Abhyuday, Udbodhan Vol. 115, No. 10, October 15, 2013, Kolkata. ISSN 0971-4316-10.
- Dr. Ashis Kumar Basu Paper on Martyr Kanailal Datta in the light of the Ideal of Swami Vivekananda , Udbodhan, Vol. 116, No. 8, August 2014, ISSN 0971-4316-8.
- Prof. Barnana Guhathakurata ii) 'Rethinking Modern Women in Late Colonial Bengal' published in Academic Journal of Hoogly Mohsin College Vol-4 No.2 (ISSN 0973-6212) Year: February, 2010.
- Prof. Barnana Guhathakurata 'Illiyaser Khoabnama: Desh bhager Ek Bhinno Path', A reviewed Article published in Bitorkika (Prasanga: Deshbhag); October 2013 (ISSN:2321-855X).

Statistics

Journals

- Rabindra Nath Das, Partha Pal and Sung H. Park, Modified Robust Second-Order Slope-Rotatable Designs, Communications in Statistics – Theory and Methods, Vol. 44, pp. 80–94, 2015 [ISSN: 0361-0926 print / 1532-415X online].

Zoology

Journals

- Gomes A, Saha P P., Bhowmik T., Dasgupta A., and Dasgupta S C. (2015) Protection against osteoarthritis in experimental animals by nanogold conjugated snake venom protein toxin GNP-NKCT1. Indian Journal of Medical Research. (Accepted in press)
- Mukherjee, S., Dasgupta, S.C. and Gomes, A. 2013. Effect of Naja naja Laurenti shed skin extract on estrous cycle, hormone profiles, cytokines and histopathology of ovary and uterus of Swiss albino mice. Ind Jr. Exp. Biol, 51, 235-240 IF: 1.295.
- Sarkar, A., Datta, P., Gomes, A., Dasgupta, S.C. and Gomes, A. 2013. Anti-osteoporosis and anti-osteoarthritis activity of fresh water snail (Viviparous bengalensis) flesh extract

in experimental animal model. *Open Journal of Rheumatology and Autoimmune Disease* 3, 10-17.

- .Gomes, A., Datta, P., Sarkar, A., Dasgupta, S.C., Gomes, A. (2013). Black tea (*Camellia sinensis*) extract as an immunomodulator against immunocompetent and immunodeficient experimental rodents. *Oriental Pharmacy and Experimental Medicine*. Accepted
- .Gomes, A., Alam, M.A., Bhattacharya, S., Dasgupta, S.C., Mukherjee, S., Bhattacharya, S. and Gomes, A. 2011. Ethno biological usage of zoo products in rheumatoid arthritis. *Ind. J. Exp. Biol.* 49, 565-573. IF: 1.295
- Basu, D., Dasgupta, S.C., Das, S.K. and Khan, T.N. 2011. The Genetics of rarity and extinction. *Tribal World*, 1:58-72. Orion Press International.
- Gomes, A., Bhattacharjee, P., Biswas, A.K. Dasgupta, S.C., Giri, B., Debnath, A., Dasgupta, S., Das, T. and Gomes, A. 2010. Anticancer Potential of animal venom and toxins. *Ind. J. Exp. Biol.*, 48, 93-103. IF: 1.295
- Banerjee, A., Manna, S. Saha, S.K. 2015. Male reproductive system of the fish ectoparasite *Argulus bengalensis* (Crustacea: Branchiura) *Journal of Morphology*(Accepted) Impact factor: 1.553
- Banerjee, A., Manna, S. Saha, S.K. 2014. Morphological characterization of testicular cells, spermatogenesis and formation of spermatophores in a fish ectoparasite *Argulus bengalensis* Ramakrishna, 1951 (Crustacea: Branchiura). *Tissue and Cell* 46(1): 59-69. Impact factor: 1.04
- Banerjee, A., Manna, S. Saha, S.K. 2014. Effect of aqueous extract of *Azadirachta indica* A. Juss (neem) leaf on oocyte maturation, oviposition, reproductive potentials and embryonic development of a freshwater fish ectoparasite *Argulus bengalensis* Ramakrishna, 1951 (Crustacea: Branchiura). *Parasitology Research* 113(12): 4641-4650. Impact factor: 2.327
- Chakraborty, S. 2014. Human Immune System: Threats and Challenges. In, Proceedings of UGC Sponsored National Seminar "Prospects of Biotechnology in Rural Bengal" organized by School of Life Sciences, Uluberia College held on 17th – 18th January, 2014, pg 21-34. (ISBN: 978-81-928627-2-9; Monograph)
- Chakraborty, S., Ray, M. and Ray, S. 2013. Cell to tissue: Physiological, immunotoxic and oxidative stress responses of *Lamellidens marginalis* to inorganic arsenite. *Ecotoxicology and Environmental Safety* 94:153-163. (Elsevier; ISSN: 0147-6513; IF: 2.482; Citation: 2)
- Chakraborty, S., Ray, M. and Ray, S. 2012. Arsenic toxicity: a heart-breaking saga of a freshwater bivalve. *Tissue and Cell* 44(3):151-155. (Elsevier; ISSN: 0040-8166; IF: 1.049; Citation: 3)
- Ray, S., Ray, M., Chakraborty, S. and Mukherjee, S. 2011. Immunotoxicity of environmental chemicals in the pearl forming mussel of India- a review. In: *Mussels: Anatomy, Habitat and Environmental Impact*. (McGevin, L.E. ed), Nova Pub. New York, USA. pp. 429-440. (ISBN 978-1-61761-763-8).
- Chakraborty, S., Ray, M. and Ray, S. 2010. Toxicity of sodium arsenite in the gill of an economically important mollusc of India. *Fish Shellfish Immunology*, 29: 136-148. (Elsevier; IF: 3.034; Citation: 20)

- Chakraborty, S., Ray, M. and Ray, S. 2010. Cytotoxic response and nonself phagocytosis as innate immunity of mollusc under arsenic exposure. *Animal Biology Journal*, 1(3): 173-183. (Nova Science, New York, USA).
- Chakraborty, S., Chhetri, S., Ray, S., Das Gupta, S., Mukherjee, S., Bhunia, N. S., Das, R., Das, M., Biswas, S., Sarkar, S., Mandal, D., Singha, D., and Karjee, C. 2010. Immunogenic modulations induced by prospective antimalarial herbal extracts in murine model. *Journal of Malaria Research*, 1-2: 41-50. (Nova, US; as corresponding author)
- Khuda-Bukhsh AR, Banerjee A, Biswas SJ, Karmakar SR, Banerjee P, Pathak S, Guha B, Haque S, Das D, De A, Das D, Boujedaini N. 2011. An initial report on the efficacy of a millesimal potency *Arsenicum Album* LM 0/3 in ameliorating arsenic toxicity in humans living in a high-risk arsenic village. *Zhong Xi Yi Jie He Xue Bao*. 9(6):596-604.
- Khuda-Bukhsh AR, Roy-Karmakar S, Banerjee A, Banerjee P, Pathak S, Biswas SJ, Haque S, Das D, Boujedaini N, Belon P. 2011. A Follow-Up Study on the Efficacy of the Homeopathic Remedy *Arsenicum album* in Volunteers Living in High Risk Arsenic Contaminated Areas. *Evid Based Complement Alternat Med*. 129214. (Impact Factor – 2.175)
- Karmakar SR, Biswas SJ, Khuda-Bukhsh AR. 2010. Anti-carcinogenic potentials of a plant extract (*Hydrastis canadensis*): I. Evidence from in vivo studies in mice (*Mus musculus*). *Asian Pac J Cancer Prev*. 11(2): 545-51. (Impact Factor – 1.5)
- Banerjee A, Pathak S, Biswas SJ, Roy-Karmakar S, Boujedaini N, Belon P, Khuda-Bukhsh AR. 2010. *Chelidonium majus* 30C and 200C in induced hepato-toxicity in rats. *Homeopathy*. 99(3):167-76. (Impact Factor – 1.134)
- Banerjee A, Chakraborty SB, Karmakar SR, Chakraborty A, Biswas SJ, Haque S, Das D, Paul S, Mandal B, Naoual B, Belon P, Khuda-Bukhsh AR. 2010. Can homeopathy bring additional benefits to thalassemic patients on hydroxyurea therapy: Encouraging results of a preliminary study. *Evid Based Complement Alternat Med*. 7(1):129-36. (Impact Factor – 2.175)
- Pradip Kumar Kar, Sanatan Murmu, Saswati Saha, Veena Tandon, Krishnendu Acharya. Anthelmintic efficacy of gold nanoparticles derived from phytopathogenic fungi *Nigrospora oryzae*. *PLOS ONE* (2014) 9(1): e84693, (Impact Factor – 4.09) (San Francisco, USA) ISSN No. – 1932-6203
- Anirban Ash, Tomáš Scholz, Alain de Chambrier, Jan Brabec, Mikuláš Oros, Pradip Kumar Kar, Shivaji Prabhakar Chavan, Jean Mariaux. Revision of *Gangesia* (Cestoda: Proteocephalidea) in the Indomalayan Region: morphology, molecules and surface ultrastructure. *PLOS ONE* (2012) 7(10): 1-28, e46421 (Impact Factor – 4.09) (San Francisco, USA) ISSN No. – 1932-6203
- Ghosh, R. and Homechaudhuri, S. 2010. Haematological parameters in adult *Channa punctatus* (Bloch) subjected to multistress with an organophosphate pesticide coupled with challenge of aeromonads. *Animal Biology Journal* 1(3): 127-140
- Ghosh, R. and Homechaudhuri, S. 2010. Analysis of selected blood parameters in the tropical freshwater fish *Channa punctatus* (Bloch) following artificial inoculation of *Aeromonas salmonicida* and *Aeromonas hydrophila*. *Indian Journal of Fisheries* 57(2): 77-83.
- Bhattacharyya, M., Gangopadhyay, K., Ghosh, R. and Homechaudhuri, S. 2011. Analysis of blood chemistry and flow cytometry of gonadal cell cycle during reproductive

cycle of *Anabas testudineus*. *Toxicological & Environmental Chemistry* 93(1): 102-109. IF: 0.723

- Ghosh, R., Chakrabarty, M. and Homechaudhuri, S. 2011. Analysis of haemopoietic cells, blood variables and histopathological changes in *Channa punctatus* (Bloch) following experimental inoculation of two strains of aeromonads. *Indian Journal of Animal Sciences* 81(6): 641-647.
- Ghosh, R. and Homechaudhuri, S. 2011. Aeromonads-induced Alterations in Activities of Catalase, Alkaline Phosphatase and Acid Phosphatase in the Freshwater Fish *Channa punctatus* (Bloch). *Science & Culture* 77(5-6): 222-225.
- Ghosh, R. and Homechaudhuri, S. 2011. Ultrastructure and Distribution of Immunopotent Leucocytes in an Air-breathing Fish, *Heteropneustes fossilis* (Bloch) *Animal Biology Journal* 2(2): 77-86.
- Ghosh, R. and Homechaudhuri, S. 2012. Transmission electron microscopic study of renal haemopoietic tissues of *Channa punctatus* (Bloch) experimentally infected with two species of aeromonads. *Turkish Journal of Zoology* 36(6): 767-774. IF:0.647
- Datta Ray, S., Ghosh, R., Maitra, B. and Homechaudhuri, S. 2013. Molecular Detection of bacterial pathogen in fish and study of histopathology and haemopoietic profiles as biomarker. *Advances in Fish Research* (6):142-157.
- Mitra, S., Keswani, T., Dey, M., Bhattacharya, S., Sarkar, S., Goswami, S., Ghosh, N., Dutta, A. and Bhattacharyya, A. 2012. Copper-induced immunotoxicity involves cell cycle arrest and cell death in the spleen and thymus. *Toxicology* 293(1-3):78-88. Impact factor: 3.745
- Mitra, S., Keswani, T., Ghosh, N., Goswami, S., Dutta, A. Das, S., Maity, S. and Bhattacharyya, A. 2013. Copper induced immunotoxicity promote differential apoptotic pathways in spleen and thymus. *Toxicology* 306:74-84. Impact factor: 3.745.
- Mukherjee, A., Sarkar, N. and Barik, A. 2013. Efficacy of the esterified fatty acids from *Momordica cochinchinensis* Spreng leaf toward its insect pest, *Aulacophora foveicollis* (Coleoptera: Chrysomelidae). *The Ecoscan, Special Issue Vol III*. 93-97. Presented in NASEED-2013 on 25–27 January 2013 at Sambalpur University. ISSN:0974-0376
- Mukherjee, A., Malik, U., Chattopadhyay, C. and Barik, A. .2014. Allelopathic effects of the weed, *Polygonum orientale* L. on jute. *Indian Journal of Agricultural Research*. 48:278-286. ISSN: 0367-8245
- Mukherjee, A., and Barik, A. 2014. Long-chain free fatty acids from *Momordica cochinchinensis* Spreng flowers as allelochemical influencing the attraction of *Aulacophora foveicollis* Lucas (Coleoptera: Chrysomelidae). *Alleopathy Journal*, 33:255-266. ISSN: 0971-1693 & I.F.-0.846
- Mukherjee, A., Sarkar, N. and Barik, A. 2014. Long-chain free fatty acids from *Momordica cochinchinensis* leaves as attractants to its insect pest, *Aulacophora foveicollis* Lucas (Coleoptera: Chrysomelidae). *Journal of Asia-Pacific Entomology*, 17:229–234. ISSN: 1226-8615 & I. F. - 0.875
- Sarkar, N., Mukherjee, A. and Barik, A. 2014. Attraction of *Epilachna dodecastigma* (Coleoptera:Coccinellidae) to *Momordica charantia* (Cucurbitaceae) leaf volatiles. *The Candian Entomologist*, DOI: <http://dx.doi.org/10.4039/tce.2014.37>. ISSN: 0008-347X & I.F.- 0.667

- Adhikary, P., Mukherjee, A. and Barik, A. 2014. Role of surface wax alkanes from *Lathyrus sativus* L. seeds for attraction of *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae). *Journal of Stored Products Research*, 59:113-119. ISSN: 0022-474X & I.F.-1.491
- Mukherjee, A., Sarkar, N. and Barik, A. 2014. *Momordica cochinchinensis* (Cucurbitaceae) leaf volatiles: semiochemicals for host location by the insect pest, *Aulacophora foveicollis* (Coleoptera: Chrysomelidae). *Chemoecology*, 25:93-104. ISSN: 1423-0445 & I.F.-1.963
- Adhikary, P., Mukherjee, A. and Barik, A. 2014. Attraction of *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae) to four varieties of *Lathyrus sativus* L. seed volatiles. *Bulletin of Entomological Research*, DOI:10.1017/S000748531400087X. ISSN: 0007-4853 & I.F.-1.895
- Mukherjee, A., Sarkar, N. and Barik, A. 2015. Leaf surface n-alkanes of *Momordica cochinchinensis* Spreng as short-range attractants for its insect pest, *Aulacophora foveicollis* Lucas (Coleoptera: Chrysomelidae). *Alleopathy Journal* (Accepted). ISSN: 0971-1693 & I.F.-0.846.
- Mukherjee, A., Sarkar, N., Roy, N. and Barik, A. 2012. Green approach of gold nanoparticle synthesis from sunflower leaf. *International Journal of nanotechnology and applications*; 62: 89-96. ISSN 0973-631X12)
- Sarkar, N., Mukherjee, A. and Barik, A. 2013. Olfactory responses of *Epilachna dodecastigma* (Coleoptera: Coccinellidae) to long-chain fatty acids from *Momordica charantia* leaves. *Arthropod-Plant Interactions*; 7: 339-348. ISSN: 1872-8855 & I.F.-1.179
- Sarkar, N., Mukherjee, A. and Barik, A. 2013. Long-chain alkanes: allelochemicals for host location by the insect pest, *Epilachna dodecastigma* (Coleoptera: Coccinellidae). *Applied Entomology and Zoology*; 48: 171-179. ISSN: 0003-6862 & I.F.-0.877
- Mukherjee, A., Sarkar, N. and Barik, A. 2013. Alkanes in flower surface waxes of *Momordica cochinchinensis* influence attraction to *Aulacophora foveicollis* Lucas (Coleoptera: Chrysomelidae). *Neotropical Entomology*, 42:366-71. ISSN: 1519-566X & I.F.-0.85
- Mukherjee, A. and Barik, A. 2013. Potential allelopathic effects of *Ludwigia adscendens* on the seed germination and seedling growth of rice. *Indian Journal of Agricultural Research*; 47: 1-15. ISSN: 0367-8245
- Sarkar, N., Mukherjee, A. and Barik, A. 2013. Determination of n-alkane profile through developmental state of sunflower leaves. *The Ecoscan; Special Issue Vol III*. 83-86. ISSN:0974-0376
- Sarkar, B., Hazra, P., Kumar, S.P., Ghosh, P., Banerjee, A. and Khan, T.N. (2013). Habitat Attributes and Waterbird-Use of Four Wetlands in Manas National Park, Assam, India. *Proceedings of the Zoological Society* (Accepted), DOI 10.1007/s12595-013-0074-3.
- Sinha, A., Hazra, P. and Khan, T.N. (2012). Emergence of a wetland with the potential for an avian abode of global significance in South Bengal, India. *Current Science*, 102(4) : 613-616
- Hazra, P., Sinha, A., Mondal, P. and Khan, T.N. (2012). Calendar-effects and temperature-impacts in migratory waterbirds at three tropical

- Das, S. and Mukherjee, D. (2013). Effect of cadmium chloride on secretion of 17 β -estradiol by the ovarian follicle of common carp *Cyprinus carpio*. *Gen. Comp. Endocrinol.* 181: 107-114. IF: 2.674
- Das, S., Majumder, S. and Mukherjee, D. (2013). Effect of Phenol on Ovarian Secretion of 17 β -Estradiol in Common Carp *Cyprinus carpio*. *Arch. Environ. Cont. Toxicol.* 65: 132-141. IF: 1.96.
- D. Basu, S.C. Dasgupta, S.K Das and T N Khan (2011) The Genetics of rarity and extinction, *Tribal World*, 1: 58-72
- Dutta D. and S.K. Das (2011) Isolation and analysis of immunoglobulin from total serum protein of Tibetan Wolf (*Canis lupus chanco*) *Wesleyan Journal of Research* 4(1): 77-81
- Das S K & K Bhattacharjee (2011) Ultrastructural and sub cellular organization of leukocytes from the peripheral blood of *Duttaphrynus himalayanus* (Günther). *Indian J. Anim. Res.*, 45 (3) : 174 – 179
- Dutta. D. & Das. S.K (2011) “Isolation of Mitochondrial DNA from Hepatic Tissue of Bufo (=Duttaphrynus) stomaticus Lutken, 1862 of Buxa Tiger Reserve, West Bengal” *BN Seal J. Sci.*, Sep. Vol IV pp. 56-64. (ISSN-0975-5624)
- Dutta.D., Das. S.K (2012) “Toad (Salientia: Amphibia) diversity in the Buxa Tiger Reserve, West Bengal, India” *NeBIO* (ISSN 0976-3597) Vol III No. 2, June pp 16-20.
- Das SK, D. Sengupta, D. Ghosh, and D. Dutta (2012) An innovative method of Cellulose Acetate membrane based isolation of mitochondria and mtDNA extraction from the liver of *Duttaphrynus melanostictus* (Schneider, 1799) *Indian Journal of Biotechnology* 11(2): 171-175
- Dutta D. & Das S.K (2013) Fertility issue of cancer survivors. *Everyman’s Science* 47 (1) 31-35
- Dutta.D. & Das S.K (2013) “Phylogenetic Relationship of *Duttaphrynus melanostictus* From India and China as Revealed From The Study of 12S and 16S mtDNA Genes” *International Journal of Zoological Research* 1-9. (ISSN 1811-9778)
- Dutta. D. & S.K. Das. (2013) Cross talk between cancer survivors and infertility: a new problems and novel answer- biotechnology for people, Ed. S. Mukherjee, *Levant Books*, Kolkata Page 126-132 (ISBN 978-93-80663-86-9)

Economics

Books

- Prof. Santanu Ghosh *Wanderings on Women, Work, Well Being and War* (2013) – S.Ghosh, Maulana Azad College, Kolkata (ISBN 978-81-928246-0-4).
- Prof. Santanu Ghosh *Two Decades of Economic Reforms in India* – S.Pan – S.Ghosh – A.K.Karmakar (2014), Regal Publications (ISBN 978-81-8484-284-5).
- Prof. Santanu Ghosh *Maulana Abul Kalam Azad: Philosophy, Education and Governance* – R.Ray – S.Ghosh, Maulana Azad College, Kolkata (ISBN 13-978-81-928246-0-4).

- Prof. Rongili Biswas Political Lobbying and Discretionary Finance in India: An Aspect of Regional Political Influence in a Representative Democracy, co-authored by Sugata Marjit, in the book Development, Displacement and Disparity: India in the Last Quarter of the Century edited by Sugata Marjit and Nirmala Banerjee, Orient Longman Limited, Delhi, 2005.

Journals

- Prof. Rongili Biswas Inter-jurisdictional Migration and the Size of Government (with Michele G. Giuranno), forthcoming in European Journal of Political Economy (Elsevier).
- Prof. Rongili Biswas The segregative properties of endogenous formation of jurisdictions with a welfarist central government (with Nicolas Gravel, Rémy Oddou), Social Choice and Welfare (Wiley-Blackwell) vol. 41(2), 293-319, 2013.
- Prof. Rongili Biswas Tax Evasion and Self-Protection in a Model with Gatekeepers (with Carla Marchese and Fabio Privileggi), Journal of Economics (Springer), vol. 110, 125-140, 2013.
- Prof. Rongili Biswas Fiscal Federalism, State Lobbying and Discretionary Finance: Evidence from India (with Sugata Marjit and Velayoudom Marimotou), Economics and Politics (Wiley-Blackwell), vol. 22(1), 68-91, 2010.
- Bhattacharrya, R. and Mandal, A. (2010): "Estimating the Impact of the Indo-ASEAN Free Trade Agreement on India's Balance of Trade", Journal of Global Analysis, 1, 9-25 (ISSN No.- 2041-1944).
- Bhattacharrya, R. and Mandal, A. (2014): "Estimating the Impact of the Indo-ASEAN Free Trade Agreement on Indian Industries", South Asia Economic Journal, 15(1), 93-114 (ISSN No.- 1391-5614).
- Prof. Rongili Biswas Political Lobbying and Fiscal Federalism: Case of Industrial Licenses and Letters of Intent, co-authored by Sugata Marjit, Economic and Political Weekly, vol. XXXV11, No. 8, 716-725, February-March, 2002.
- Prof. Rongili Biswas IRDP, Poverty Alleviation and Development: A Comparative Study of West Bengal, India, co-authored by Ajitava Raychaudhuri, Journal of Rural Development, vol.15, No.3, 283-306, July-September, 1998.
- Prof. Rongili Biswas Editor and writer of introduction to the book Women's Education and Politics of Gender, Bethune College, Basumati Corporation Limited, 2004 (co-authors: Jashodhara Bagchi and Uttara Chakraborty).
- Prof. Rongili Biswas Centre de Sciences Humaines (N. Delhi) Occasional Paper, Fiscal Federalism, State Lobbying and Discretionary Finance in India, publication of the French Research Institutes in India, 2008 (with Sugata Marjit and Velayoudom Marimoutou).

Physics

Books

- Ghorai, EPH-10 Study Material on Electrical Circuits and Electronics of Netaji Subhas Open University; Block 1: Electronic Circuits and Instruments.
- Ghorai, Some novel experiments on opamp, LAP LAMBERT Academic Publishing AG & Co. KG, Germany, Thu, February 11, 2010, ID 3499, ISBN – NR 978-3-8383-3600-8.
- Ghorai, Three novel experiments on Wheatstone's Bridge, LAP LAMBERT Academic Publishing AG & Co. KG, Germany, Sat, May 22, 2010, ID 6489, ISBN – NR 978-3-8383-6710-A. Ghorai, Experiments and theory on the nature of light, LAP LAMBERT Academic Publishing AG & Co. KG, Germany, Wed, December 29, 2010, ID 13404, ISBN – NR 978-3-8433-8742-2.
- Mahapatra, U. S. and Chattopadhyay, S. (2010) "State specific calculation of dissociation potential energy curve using multireference perturbation theory" in "Recent Advances in Spectroscopy: Astrophysical, Theoretical and Experimental Perspective" (Springer, Berlin).

Journal:

- Ghorai, Rabindranath Singh, Mrinal Kanti Hota and Dhananjay Bej, Defect and Diffusion Forum, 305-306 105 - 108, 2010 (Trans Tech Publications, Switzerland); Study of the dielectric, magnetic and resistive properties of various substances.
- Ghorai and Arjun Das, ISRN Metallurgy, Volume 2012, Article ID 431742, 4 pages (International Scholarly Research Network, Canada), Defect studies in bcc and fcc iron.
- Ghorai, Defect and Diffusion Forum, 329 81 – 98, 2012 (Trans Tech Publications, Switzerland); A review on some theoretical models of point defect calculations.
- Ghorai, T. Choudhuri, Arjun Das, R. Dey and S. Ganguly, Defect and Diffusion Forum, 330 63 – 69, 2012 (Trans Tech Publications, Switzerland); Calculation of parameter of Ashcroft's potential using vacancy formation energy for some bcc metals like Li, Na, K, Rb, Cs and Ba.
- Ghorai, T. Choudhury, Arjun Das, R. Dey and S. Ganguly, diffusion-fundamentals.org 17, 4 1-11, 2012 (Germany); Calculation of parameter of Ashcroft's potential using vacancyformation energy for some bcc metals likeCr, Mo, W, V, Nb, Ta, Ti, Eu, Zr.
- Ghorai and D. Roy, Defect and Diffusion Forum, 344 107-128, 2013 (Trans Tech Publications, Switzerland); A review on diffusion and interfacial reactions in bimetallic thin film couples.
- Ghorai, diffusion-fundamentals.org 21, 1, 11-18, 2014 (Germany); A review on bulk diffusion in metallic solids.
- Ghorai, Sk. Abdul Mohid and Sarif Khan, Research Journal of Agriculture and Environmental Management 3(9), 472-476, 2014 (Nigeria); Effect of electric field on the growth of sprout length of ground nut seeds.
- M. Ghosh, T. Banerjee and B. C. Sarkar, ACEEE International Journal on Communication, Vol: 3, Issue: 1, pp: 48-52, 2012; Design limitations and its effect in the performance of ZC1-DPLL

- M. Ghosh, T. Banerjee and B. C. Sarkar, International Journal of Engineering and Advanced Technology (IJEAT), Vol: 01, no.-6, pp: 235-242, Aug, 2012; Nonlinear Dynamics and Chaos in Second Order ZC1-DPLLs with Inherent Time Delay.
- Chaudhuri, R. K., Chattopadhyay, S., Mahapatra, U. S. and Freed, K. (2010) "Molecular applications of analytical gradient approach for the improved virtual orbital-complete active space configuration interaction method" J. Chem. Phys. 132, 034105.
- Mahapatra, U. S., Chattopadhyay, S. and Chaudhuri, R. K. (2010) "Study of the ground state dissociation of diatomic molecular systems using state-specific multi reference perturbation theory: A Brillouin-Wigner scheme" J. Chem. Theo. Comp. 6, 662.
- Mahapatra, U. S., Chattopadhyay, S. and Chaudhuri, R. K., (2010) "Second-Order State-Specific Multireference Møller-Plesset Perturbation Theory (SS-MRMPPT) Applied to Geometry Optimization" J. Phys. Chem. A, 114, 3668.
- Chattopadhyay, S., Mahapatra, U. S. and Chaudhuri, R. K., (2010) "Study of equilibrium geometries of diradicaloid systems via state specific multireference Moller-Plesset perturbation theory (SS-MRMPPT)" Chem. Phys. Lett. 488, 229.
- Chattopadhyay, S., Chaudhuri, R. K. and Mahapatra, U. S, (2010) "Studies on m-benzyne and phenol via improved virtual orbital complete active space configuration interaction (IVO-CASCI) analytical gradient method" Chem. Phys. Lett. 491, 102.
- Mahapatra, U. S. and Chattopadhyay, S. (2010) "Potential energy surface studies via a single root multireference coupled cluster theory" J. Chem. Phys. 133, 074102 (2010).
- Mahapatra, U. S., Chattopadhyay, S. and Chaudhuri, R. K., (2011) "Second-order state-specific multireference Moller–Plesset perturbation theory (SS-MRMPPT): Application to energy surfaces of diimide, ethylene, butadiene and cyclobutadiene" J. Comp. Chem. 32, 325.
- Mahapatra, U. S and Chattopadhyay, S. (2010) "Evaluation of the performance of single root multireference coupled cluster (sr-MRCC) method for ground and excited states, and its application to geometry optimization" J. Chem. Phys., 134, 044113.
- Das, M., Chaudhuri, R. K., Chattopadhyay, S., and Mahapatra, U. S (2011) "Valence universal multireference coupled cluster calculations of the properties of indium in its ground and excited states" J. Phys. B: At. Mol. Opt. Phys. 44 065003.
- Mahapatra, U. S and Chattopadhyay, S. (2011) "Application of an uncoupled state-specific multireference coupled cluster (UC-SSMRCC) method to a weakly bonded system: exploring the ground state J. Phys. B: Atomic, Molecular and Optical Physics 44, 105102.
- Das, M., Chaudhuri, R. K., Chattopadhyay, S., Mahapatra, U. S. and Mukherjee, P. K., (2011) "Application of relativistic coupled cluster linear response theory to helium like ions embedded in plasma environment" J. Phys. B: Atomic, Molecular and Optical Physics 44 165701.
- Chaudhuri, R. K., Chattopadhyay, S., K. F. Freed, and Mahapatra, U. S. (2011) "Economical description of static correlation for large systems (free base porphyrin and Mg-porphyrin complexes): An improved virtual orbital-complete active space configuration interaction (IVO-CASCI) analytical gradient method" J. Chem. Phys. 135, 084118.
- Chattopadhyay, S., Chaudhuri, R. K., and Mahapatra, U. S. (2011) "Ab initio multi reference investigations of disjoint diradicals: Singlet versus triplet ground state" Chem. Phys. Chem. 12, 2791.

- Das, M., Chaudhuri, R. K., Chattopadhyay, S., and Mahapatra, U. S (2011) "Fock space multireference coupled cluster calculations of the hyperfine structure of iso-electronic of 33S-and 35,37Cl" *Phys. Rev. A.* 84, 042512
- Chattopadhyay, S., Mahapatra, U. S. and Chaudhuri, R. K., (2012) "State specific multireference Møller—Plesset perturbation theory: A few applications to ground, excited and ionized states" *Chem. Phys.* 401, 15. Invited Article for Special Issue on "Recent advances in electron correlation methods and applications".
- Mahapatra, U. S and Chattopadhyay, S. (2012) "Single reference coupled cluster calculations for the weakly bound alkaline-earth dimers in the ground state" *Mol. Phys.* 110, 75.
- Chattopadhyay, S., Mahapatra, U. S. and Chaudhuri, R. K. (2012) "State specific complete active space multireference Møller-Plesset perturbation approach for quasi degenerate situations: Illustrating the bond breaking in hydrogen halides" *Theo. Chem. Acc.* 131, 1213.
- Mahapatra, U. S and Chattopadhyay, S. (2012) "Diagnosis of the performance of the state-specific multireference coupled-cluster method with different truncation schemes" *J. Com. Chem.* 33, 1285.
- Das, M., Chaudhuri, R. K., Chattopadhyay, S., and Mahapatra, U. S (2012) "Application of relativistic Fock space coupled cluster theory to study Li and Li-like ions in plasma" *Phys. Rev. A* 85, 042506.
- Chaudhuri, R. K., Chattopadhyay, S., Freed K. F., U. S. Mahapatra (2012) "Theoretical aids in screening candidates for atomic clocks: illustration for Yb II" *Euro Physics Lett.* 98, 23002.
- Chaudhuri, R. K., Chattopadhyay, S., Freed K. F., U. S. Mahapatra (2012) "Spectral lines behaviour of Be and NaI isoelectronic sequence in Debye plasma environment" *Phys. Plasmas* 19, 082701.
- Chaudhuri, R. K. Chattopadhyay, S., and Mahapatra, U. S. (2013), "Taming the electronic structure of lead and eka-lead (E114) by the relativistic coupled-cluster method" *J. Phys. Chem. A* 117, 8555. Invited Article in Special Issue: "Structure and Dynamics: ESDMC-2013"
- Chaudhuri, R. K., Chattopadhyay, S., Freed K. F., U. S. Mahapatra (2013) "Theoretical studies of the ground and excited state structures of stilbene" *J. Phys. Chem. A* 117, 9424 .Invited Article in Special Issue: "Oka Festschrift: Celebrating 45 Years of Astrochemistry".
- Chaudhuri, R. K., Chattopadhyay, S., U. S. Mahapatra (2013) "Reappraisal of nuclear quadrupole moments of atomic halogens via relativistic coupled cluster linear response theory for the ionized process" *J. Phys. Chem. A* 117, 12616.
- Mahapatra, U. S and Chattopadhyay, S. (2013) "Binding in Beryllium Dimer: Contingent on the effects of electron correlations" *Science Journal, MAC* (Accepted).
- Chattopadhyay, S., Mahapatra, U. S. and Chaudhuri, R. K (2014), Dissociation of homonuclear diatomic halogens via multi-reference coupled cluster calculations, *Mol. Phys.* Vol 112, 2720
- Sinha Mahapatra U, Banarjee D. Chaudhuri R. K. (2015) Profiling the binding motif between Be Mg in the ground state via a single-reference coupled cluster method, *Mol. Phys.* DOI: 10.1080/00268976.2014.996616

- Chattopadhyay, S. Chaudhuri, R. K., U. S. Mahapatra (2015) State-specific multireference perturbation theory with improved virtual orbitals: Taming the ground state of F₂, Be₂, and N₂ J. Com. Chem. DOI: 10.1002/jcc.23873
- Defect driven ferromagnetism in SnO₂: a combined study using density functional theory and positron annihilation spectroscopy, A. Sarkar, D. Sanyal, Palash Nath, Mahuya Chakrabarti, S. Pal, S. Chattopadhyay, D. Jana, K. Asokan, RSC Adv., 5 (2015) 1148.
- Scaling description of non-Ohmic transport in manganites, TN Ghosh, UN Nandi, S Chattopadhyay, D Jana, SC Saha, Solid State Communications, 152 (2012) 1595.
- Disorder driven optical processes in nanocrystalline ZnO, S. Chattopadhyay, S.K. Neogi, P. Pandit, S. Dutta, Tamita Rakshit, D. Jana, S. Chattopadhyay, A. Sarkar, S.K. Ray, Journal of Luminescence, Volume 132 (2012) 6.
- Positron scattering from argon: total cross sections and the scattering length, A Zecca, L Chiari, E Trainotti, DV Fursa, Igor Bray, A Sarkar, S Chattopadhyay, K Ratnavelu, MJ Brunger, Journal of Physics B: Atomic, Molecular and Optical Physics 45 (2012) 015203.
- Probing Materials by Positron Annihilation Technique and Mossbauer Spectroscopy-Review, M Chakrabarti, S Chattopadhyay, D Sanyal, A Sarkar, Materials Science Forum, 2012.
- Optical property modification of ZnO: Effect of 1.2 MeV Ar irradiation; Soubhik Chattopadhyay, Sreetama Dutta, Palash Pandit, D. Jana, S. Chattopadhyay, A. Sarkar, P. Kumar, D. Kanjilal, D. K. Mishra, S. K. Ray, Phys. Status Solidi C 8 (2011) 512.
- Probing Materials by Positron Annihilation Technique and Mossbauer Spectroscopy-Review, M Chakrabarti, S Chattopadhyay, D Sanyal, A Sarkar, D Jana, Materials Science Forum 1462 (2011) 1.
- Interplay of defects in 1.2 MeV Ar irradiated ZnO, Soubhik Chattopadhyay, Sreetama Dutta, D Jana, S Chattopadhyay, A Sarkar, P Kumar, D Kanjilal, DK Mishra, SK Ray, Journal of Applied Physics 107 (2010)113516-113516-8.
- Procedures for conditioning W- and Ni-moderators for application in positron-scattering measurements; Antonio Zecca, Luca Chiari, A. Sarkar, S. Chattopadhyay, M.J. Brunger, Nucl. Instr. Meth. B, 268 (2010) 533.
- Drag force in strongly coupled, anisotropic plasma at finite chemical potential. Somdeb Chakraborty and Najmul Haque; JHEP 1412 (2014), 175, [arXiv:1410.7040]
- Brownian motion in strongly coupled, anisotropic Yang-Mills plasma: A holographic approach. Shankhadeep Chakraborty, Somdeb Chakraborty and Najmul Haque; Phys. Rev. D89 (2014), 066013, [arXiv:1311.5023]
- Wess-Zumino-Witten Model for Galilean Conformal Algebra.Somdeb Chakraborty and Parijat Dey; Mod. Phys. Lett. A28 (2013), 1350176, [arXiv:1209.0191]
- Holographic quark-antiquark potential in anisotropic plasma.Somdeb Chakraborty and Najmul Haque; Nucl. Phys. B874 (2013), 821-851, [arXiv:1212.2769]
- Wilson loops in noncommutative Yang-Mills theory using gauge/gravity duality.
- Somdeb Chakraborty, Najmul Haque and Shibaji Roy; Nucl. Phys. B862 (2012), 650-670, [arXiv:1201.0129]

- Calculating the jet quenching parameter in the plasma of NCYM theory from gauge/gravity duality. Somdeb Chakraborty and Shibaji Roy; Phys. Rev. D85 (2012), 046006 , [arXiv:1105.3384]
- Wilson loops in (p+1)-dimensional Yang-Mills theories using gravity/gauge theory correspondence. Somdeb Chakraborty and Shibaji Roy; Nucl. Phys. B850 (2011), 463-476 [arXiv:1103.1248]
- Eigenvalue Problem in Two Dimensions for an Irregular Boundary II: Neumann Condition.S. Panda, S. Chakraborty, S. P. Khastgir; Eur. Phys. J. Plus (2011), 126: 62, [arXiv:1106.4746]
- Slowly rotating superfluid neutron stars with isospin dependent entrainment in a two-fluid model -Apurba Kheto, Debades Bandyopadhyay, Phys. Rev. D91 (2015) 4, 043006.
- Utpal Chattopadhyay and Abhishek Dey, Exploring MSSM for Charge and Color Breaking and Other Constraints in the Context of Higgs@125 GeV Journal: JHEP 1411 (2014) 161.
- The direct empirical basis of quantum mechanics and the modern perspective, D. Sen, in Horizons in World Physics, 275, Ch. 8, pp. 251-274(Ed. A. Reimer, Nova Science Publishers Inc. 2012).
- Of Mass, Charge and Spin, the basic attributes of matter -- Their physical origin, D. Sen in Horizons in World Physics, 275, Ch. 9, pp. 275-291 (Ed. A. Reimer, Nova Science Publishers Inc. 2012).
- How Quantum are the Quantum Uncertainty Relations?, D. Sen, MAC: Jour. Of Basic and Appld. Sciences (ISSN 2347-5366), 1, 129-136, 2013.
- The Uncertainty relations in Quantum Mechanics, D. Sen, Current Science 107, 203-218 (2014).
- D. Bhattacharya, MAC Science Magazine, 2013, Quantum Monte Carlo methods in many particle systems.
- Ghorai, MAC Journal of Basic and applied Sciences (ISSN – 2347-5366), 1 153 – 165, 2013; Instrumentations for the study of thin solid films.

Sanskrit

Journals

- Sri Onkar Nath Pathak Published a paper "Upama ka lakshan: Ek Samanvamyatmaka Anusilan" on e-journal Nikasa-Vol-I . Issue :-3,2012 ISSN-2277-6826
- SriOnkar Nath Pathak Published a paper"Paniniya Vyakarana Moksha Vicharah" on Victorian journal of Arts Vol.III No.I May 2010 ISSN -0975-5632.

