

পদার্থবিজ্ঞান বিভাগ
জগন্নাথ বিশ্ববিদ্যালয়, ঢাকা

List of Articles published in International Journals

1. Prof. Dr. Md. Kamrul Alam Khan

Sl No	Title of the Article	Author	Name of the Journal with Volume, page no and year
1	Copper oxide coatings for use in a linear solar Fresnel reflecting concentrating collector, Published in the journal. of Elsevier, Renewable Energy	K. A. Khan	Journal of Renewable energy, Vol. 17(4), P. 603-608 (1999). Publisher: Pergamon
2	Impact of photo electrode thickness annealing temperature on natural dye sensitized solar cell	T.A. Ruhane, M.Tauhidul Islam, Md. Saifur Rahman, M.M.H.Bhuiyah, Jahid M.M. Islam, T.I. Bhuiyah, K.A.Khan , Mubarak A. Khan (2017)	Sustainable Energy Technologies and Assessments, Vol 20, P 72 (2017) http://dx.doi.org/10.1016/j.seta.2017.01.012 Publisher: Elsevier
3	Photo current enhancement of natural dye sensitized solar cell by optimizing dye extraction and its loading period	T.A. Ruhane, M. Tauhidul Islam, Md. Saifur Rahaman, M.M.H. Bhuiyan, Jahid M.M. Islam, M.K. Newaz, K.A. Khan, Mubarak A. Khan	Optik - International Journal for Light and Electron Optics Vol. 149. P. 174 (2017) Publisher: Elsevier
4	Dynamic model of Bryophyllum pinnatum leaf fueled BPL cell: a possible alternate source of electricity at the off-grid region in Bangladesh	Mehedi Hasan & K. A. Khan	Microsystem Technologies, Vol. 25, P. 2481 (2019) DOI: 10.1007/s00542-018-4149-y Publisher: Springer
5	Production of candle using solar thermal technology	K. A. Khan, M. Hazrat Ali, A. K. M. Obaydullah and M. A. Wadud	Microsystem Technologies, Vol. 25(12), P. 1 (2019) DOI 10.1007/s00542-019-04390-7 Publisher: Springer
6	Homemade PKL electricity generation for use in DC fan at remote areas	K. A. Khan, S. R. Rasel and M. Ohiduzzaman	Microsystem Technologies, Vol. 25 (12), P. 4529 (2019) DOI 10.1007/s00542-019-04422-2 Publisher: Springer

7	Experimental characterization and identification of cell parameters in a BPL electrochemical device	Mehedi Hasan and Kamrul Alam Khan	SN Applied Sciences, Vol 1(1008), P. 1 (2019) https://doi.org/10.1007/s42452-019-1045-8 Publisher: Springer
8	A study on harvesting of PKL electricity	Lovelu Hassan and K. A. Khan (2019)	Microsystem Technologies, Vol. 26(3), P.1031-1041 ((2020). DOI 10.1007/s00542-019-04625-7 Publisher: Springer
9	PKL electrochemical cell: physics and chemistry	K. A. Khan, M. A. Mamun, M. Ibrahim, M. Hasan, M. Ohiduzzaman, A. K, M. Obaydullah, M. A. Wadud, M. Shajahan	SN Applied Sciences, Vol. 1, P. 1335 (2019) https://doi.org/10.1007/s42452-019-1363-x Publisher: Springer
10	Studies on Performance Parameters of a Practical Transformer for Various Utilizations	M. Hazrat Ali, Unesco Chakma, Debashis Howlader, M. Tawhidul Islam and K.A.Khan	Microsystem Technologies, Vol. 26, P. 1661 (2020) DOI: 10.1007/s00542-019-04711-w Publisher: Springer
11	Bioelectricity: a new approach to provide the electrical power from vegetative and fruits at off-grid region	K. A. Khan, Lovelu Hassan, A. K. M. Obaydullah, S. M. Azharul Islam, M. A. Mamun, Tanjila Akter, Mehedi Hasan, Md. Shamsul Alam, M. Ibrahim, M. Mizanur Rahman, M. Shahjahan	Microsystem Technologies, Vol. 26(10), P. 3161 (2000) https://doi.org/10.1007/s00542-018-3808-3 Publisher: Springer
12	Organic Electricity from Zn/Cu-PKL Electrochemical Cell, In: Contemporary Advances in Innovative and Applicable Information Technology, Advances in Intelligent Systems and Computing	Khan KA, Bhuyan MS., Mamun M A., Ibrahim M., Hasan L., Wadud M.A.	J. K. Mandal et al. (eds.), © Springer Nature Singapore Pvt. Ltd., 2018, Vol. 812, Chapter 9, p 75-90.
13	Bioelectrical Characterization and Production of Nanoparticles (NPs) Using PKL Extract for Electricity Generation	K.A.Khan, M Hazrat Ali, M. A. Mamun, M. Mahbubul Haque, A.K.M. Atique Ullah, M.N. Islam Khan, Lovelu Hassan, A.K.M. Obaydullah, M.A.Wadud	Microsystems Technologies, 2020 DOI 10.1007/s00542-020-04774-0 Publisher: Springer
14	Green synthesis of Bryophyllum pinnatum aqueous leaf extract mediated bio-molecule capped dilute ferromagnetic α -MnO ₂ nanoparticles	A.K.M. Atique Ullah, Md. Mahbubul Haque, Mahmuda Akter, A. Hossain, AN Tamanna, Md. Mottaleb Hosen, AKM FazleKibria, MNI Khanand MKA Khan	Mater. Res. Express, Vol. 7(1), P. 015088 (2020) Publisher: IOP Science

15	Voltage Cultivation from Fresh Leaves of Air Plant, Climbing Spinach, Mint, Spinach and Indian Pennywort for Practical Utilization	M. N. F. Rab, K. A. Khan, Salman Rahman Rasel, M. Hazrat Ali, Lovelu Hassan, M. Abu Salek, S.M. Zian Reza and M Ohiduzzaman	Energy Systems, Drives and Automations, Vol. 664, P. 150-160 (2000) Publisher: Springer
16	Solar Medical Sterilizer using Pressure Cooker for Rural off-grid Areas”, Energy Systems, Drives and Automations	K. A. Khan, Salman Rahman Rasel, S.M. Zian Reza, M. A. Saime, Nazmul Alam, Abu Salek and Mehedi Hasan	Energy Systems, Drives and automations: Lecture Notes in Electrical Engineering, P. 277-288 (2000) DOI: 10.1007/978-981-15-5089-8_26 Publisher: Springer, Singapore
17	A study on PKL electrochemical cell for three different conditions	K. A. Khan, M. A. Saime, M.Hazrat Ali, S. M. Zian Reza, Nazmul Alam, Md. Afzol Hossain, M. N.F. Rab and Shahinul Islam	Energy Systems, Drives and automations: Lecture Notes in Electrical Engineering, Vol. 664, P. 374-386 (2000) DOI: 10.1007/978-981-15-5089-8 Publisher: Springer

2. Prof. Dr. Dipika Rani Sarker:

Sl No	Title of the Article	Author	Name of the Journal with Volume, page no and year
1	The ${}^6\text{Li}$ -Nucleus Scattering	D.R. Sarker , Md. A.Rahman, M.Rahman and H.M. Sen Gupta	IL NUOVO CIMENTO ITALY, Vol. 107A No. 4 (1994) 511-520 Publisher: Italian Physical Society
2	Genferalized Diffraction Model study of Intermediate energy Proton-Nucleus Scattering	Dipika Rani Sarker , H. Kabir, Md. A. Rahman, and H.M. Sen Gupta	International Journal of Modern Physics E, Vol. 11 No.5 (2002) 403-423 Publisher: World Scientific
3	Normalization constant of the (α,t) reaction	S.K. Das, A.K. Basak, A.S. Mondal, A.S.B. Tariq, A.F.M, M.Rahman, D.R Sarker	IL NUOVO CIMENTO ITALY, Vol. 112A No. 7 (1999) 661-679 Publisher: Italian Physical Society
4	Scattering of 65 MeV protons and neutrons from nuclei	Dipika Rani Sarker , L.K. Saha and H.M. Sen Gupta	International Journal of Pure and Applied Physics, Vol. 38 (2000) 471-479 Publisher: Alexandria University
5	Strong absorption studies of Pion-Nucleus Scattering around the Δ resonance	Dipika Rani Sarker , L. Begum, Md. A. Rahman and H.M. Sen Gupta	International Journal of Modern Physics E, Vol. 13. No. 2 (2004) 505-527 Publisher: World Scientific
6	Systematics of local pion optical model parameters	Dipika Rani Sarker , Fahmidaa Khanam, H. M. Sen Gupta and R. J Peterson	VarennaItaly (CERN Report), (2009) 211-216 Publisher: CERN
7	A study of scattering of alpha particle from nuclei	Dipika Rani Sarker , Md. A.Rahman and H.M. Sen Gupta	International Journal of Modern Physics E, Vol. 19 No.11 (2010) 2167 Publisher: World Scientific

8	Potential Description of α - ^{208}Pb Elastic Scattering	M. Zahid Hasan, SinthiaBinteKholil, D. R. Sarker and M. NureAlam Abdullah	Physics of Particles and Nuclei (2020) in press Publisher: Springer
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3. Prof. Dr. Parimal Bala:

SI No	Title of the Article	Author	Name of the Journal with Volume, page no and year
01	Organomodified montmorillonite as filler on natural and synthetic rubber	P. Bala , B. K. Samantaray, S. K. Srivastava and G. B. Nando	Journal of Applied Polymer Science, 92 (2004) 3583-3592
02	Synthesis and characterization of Na Na-montmorillonite-alkylammonium intercalation compounds	P. Bala , B. K. Samantaray and S. K. Srivastava	Materials Research Bulletin, 35 (2000) 1717-1724
03	Dehydration transformation in Ca-montmorillonite	P. Bala , B. K. Samantaray and S. K. Srivastava	Bulletin of Materials Science, 23 (2000) 61 – 67
04	Microstructural parameters and layer disorder accompanying dehydration transformation in Na-montmorillonite	P. Bala , B. K. Samantaray, S. K. Srivastava and H. Haeuseler	Zeitschrift für Kristallographie 215 (2000) 235 - 239
05	Effect of alkylammonium intercalated montmorillonite as filler on natural rubber	P. Bala , B. K. Samantaray, S. K. Srivastava and G. B. Nando	Journal of Materials Science Letters, 20(6) (2001) 563-56
06	Studies on thermal transformation of Na-montmorillonite-glycine intercalation compounds	A. H. Khan, M. Nurnabi and P. Bala	Journal of Thermal Analysis and Calorimetry, 96 (2009) 929-935
07	7.A study of effects of acid activated saw dust on the removal of different dissolved tannery dyes (acid dye) from aqueous solutions	N. R. Dhar, A. K. M. B. Khoda, A. H. Khan, P. Bala and M. F. Karim	Journal of Environmental Science & Engineering, 47 (2005) 103 - 108
08	Investigations on microstructural and layer disorder parameters of Na-montmorillonite-glycine intercalation compounds	A. H. Khan, P. Bala , A. F. M. M. Rahman and M. Nurnabi	Dhaka University Journal of Science, 60 (2012) 25-29
09	Structural transformation accompanying dehydration of montmorillonite	P. Bala and B. K. Samantaray	Indian Journal of Physics, 74A(2) (2000) 99 – 102
10	Investigations on variation of interlayer spacing and other microstructural parameters in dehydration transformation of vermiculite.	P. Bala , B. K. Samantaray and S. K. Srivastava	Indian Journal of Physics, 74A(1) (2000) 1 – 5
11	Kinetics and equilibrium studies of sorption of Remazol G Yellow RGB (An anionic reactive dye) onto acid activated vegetable kitchen waste.	M. A. Rahman, M. T. Islam, M. Nurnabi, P. Bala	Int. J. Environ. Pollut. Control. Manage. 5 (2013) 72-84

12	X-ray diffraction studies on structural changes in Montmorillonite during dehydration.	P. Bala and B. K. Samantaray	Transactions of the Indian Ceramic Society, 58(3) (1999) 61 – 63
13	X-ray diffraction and scanning tunneling microscopic studies of indium intercalation compounds of tantalum disulphide and diselenide.	S. K. Srivastava, T. K. Mandal, P. Bala , B. K. Samantaray and B. K. Mathur	Indian Journal of Physics, 74A(5) (2000) 453 – 459

4. Prof. Dr. Ain-ul Huda

Sl No	Title of the Article	Author	Name of the Journal with Volume, page no and year
01	A study of the spectral functions and complex band structures for the disordered binary alloys: AgPd and AuFe,	P. Biswas, B. Sanyal, A. Mookerjee, Ain-ul Huda , N, Chowdhury, M. Ahmed and A. Halder,	International Journal of Modern Physics 11(31) 3703-3713 (1997).
02	Augmented Space recursion for Spectral Functions for disordered binary alloys: some comments,	Parthapratim Biswas, B.Sanyal, A.Mookerjee, Ain-ul Huda , Durga Paudyal, M. Ahmed and A. Mookerjee, N. Chowdhury, M.Ahmed and A. Haldar	International Journal of Modern Physics 11(31) 3715-3721 (1997).
03	Electrical and Magnetic Properties of AuFe Alloys	P. Biswas, B. Sanyal, T. Saha-Dasgupta, A. Mookerjee, M. Ahmed, Ain-ul Huda , Durga Paudyal, M. Ahmed and A. Mookerjee, N. Chaudhury and A. Halder	J. Phy. Condens. Matt. 11, 1835-1846 (1999).
04	Proper utilization of solar energy in Bangladesh: Effect on the environment, food supply and the standard of living	Saiful Islam and Ain-ul Huda	Renewable Energy, vol. 17, no. 2, pp. 255-263, (1999).
05	Measurement and Model computation of hourly global radiation tilt factor for Dhaka,Energy Convers	M. Hussain and Ain-ul Huda	Mgmt. 39(8), 837-842 (1998).
06	The performance of a Box-type Solar Cooker with Auxiliary heating	M. Hussain, K. C. Das and Ain-ul Huda	Renewable Energy 12(2), 151-155 (1997).
07	Study of a pair of coupled continuum equations modeling surface growth	Ain-ul Huda , O. Dutta and Abhijit Mookerjee	Int. Jour. Mod. Phys. B 17 (16), 2981-2999, (2003).
08	Study of a pair of coupled continuum equations modeling surface growth: Interplay between Surface diffusion, desorption-	Ain-ul Huda , O. Dutta and Abhijit Mookerjee	Int. Jour. Mod. Phys. B 18 (10 and 11), 1549-1569, (2004).

	accretion and Schwoebel back diffusion		
09	Magnetism on a rough surface	Ain-ul Huda and Abhijit Mookerjee	Journal of Magnetism and Magnetic Material, 267 , 97-104 (2003).
10	Spin-orbit coupling: a recursion method approach	Ain-ul Huda , Durga Paudyal, M. Ahmed and A. Mookerjee	Physica B 351 63-70 (2004).
11	Maximization of radiation availability for inclined collectors with and without glass covers	M. Hussain and Ain-ul Huda	in proceedings of ISES 1997 Solar world congress, 304-309 (1997).
12	Optimization of the tilt angle for inclined collectors at Dhaka, in Proc. of 4 th World Renewable Energy Congress	M. Hussain and Ain-ul Huda	Denver, USA Vol3 1824-1827 (1996).

5. Prof. Dr. Md. Nure Alam Abdullah:

SI No	Title of the Article	Author	Name of the Journal with Volume, page no and year
1	Potential Description of $\alpha+^{208}\text{Pb}$ Elastic Scattering	M. Zahid Hasan, Sinthia Binte Kholil, D. R. Sarker and M. Nure Alam Abdullah	Physics of Particles and Nuclei (2020) in press Publisher: Springer
2	A study of critical minima and spin polarization in the e^{\pm} -Ba elastic scattering	Md. Nure Alam Abdullah , Ashok Kumar, Abul Kalam Fazlul Haque and M. Alfaz Uddin	European Physical Journal D, Vol. 74 P. 235 (2020) DOI: https://doi.org/10.1140/epjd/e2020-10314-2 Publisher: Springer
3	Elastic scattering of electrons by Sr atom: a study of critical minima and spin polarization	Ashok Kumar, M. N. A. Abdullah , A. K. F. Haque and M. Alfaz Uddin	Journal of Physics Communications, Vol. 3, P. 065001 (2019) DOI: 10.1088/2399-6528/ab2505 Publisher: Institute of Physics (London)
4	Evaluation of neutronic safety parameters of the BAEC TRIGA research reactor with Wet Central Tube	Md. Saifur Rahman, M.A. Malek Soner, M. N. A. Abdullah , M. Mizanur Rahman, Md. Al Amin Hossain and M.A. Salam	Annals of Nuclear Energy Vol. 124, P. 533 (2019) DOI: 10.1016/j.anucene.2018.10.033 Publisher: Elsevier
5	Comparison of relative renal functions calculated with ^{99m}Tc -DTPA and ^{99m}Tc -DMSA for kidney	M. A. Momin, M.N.A. Abdullah , M.S. Reza	Physica Medica, Vol. 45, P. 99 (2018) DOI: 10.1016/j.ejmp.2017.12.005 Publisher: Elsevier

	patients of wide age ranges		
6	Non-monotonic potential description of alpha-Zr refractive elastic scattering	S. Hossain, Masum Billah, M. M. B. Azad, Farzana Parvin, M. N. A. Abdullah , K. M. Hasan, M. A. Uddin, A. S. B. Tariq, A. K. Basak, I. Reichstein and F. B. Malik	Journal of Physics G: Nucl. Part. Phys, Vol. 40, P. 105109 (2013) DOI: 10.1088/0954-3899/40/10/105109 Publisher: Institute of Physics (London)
7	Non-monotonic potentials for ${}^6\text{Li}$ elastic scattering at 88 MeV	S. Hossain, M. N. A. Abdullah , Md. Zulfiker Rahman, A. K. Basak and F. B. Malik	Physica Scripta, Vol. 87, P. 015201 (2011) DOI: 10.1088/0031-8949/87/01/015201 Publisher: Institute of Physics (London)
8	Non-monotonic potentials and vector analyzing powers of ${}^{6,7}\text{Li}$ scattering by ${}^{12}\text{C}$, ${}^{26}\text{Mg}$, ${}^{58}\text{Ni}$ and ${}^{120}\text{Sn}$	A. K. Basak, M. M. Billah, M. J. Kobra, K. K. Sarker, M. Mizanur Rahman, P. K. Das, S. Hossain, M. N. A. Abdullah , A. S. B. Tariq, M. A. Uddin, S. Bhattacharjee, I. Reichstein and F. B. Malik	Europhysics Letters, Vol. 94, P. 062002 (2011) DOI: 10.1209/0295-5075/94/62002 Publisher: Institute of Physics (London)
9	Dynamic polarization potential effects on vector analyzing powers of ${}^6\text{Li}$ - ${}^{28}\text{Si}$ elastic scattering from non-monotonic potentials	A. K. Basak, P. K. Roy, S. Hossain, M. N. A. Abdullah , A. S. B. Tariq, M. A. Uddin, S. Bhattacharjee, I. Reichstein and F. B. Malik	Physics Letters B, Vol. 692, P.47 (2010) DOI: 10.1016/j.physletb.2010.07.011 Publisher: Elsevier
10	Potential description of ${}^6\text{Li}$ elastic scattering by ${}^{28}\text{Si}$	S. Hossain, M. N. A. Abdullah , A. K. Basak, S. K. Das, M. A. Uddin, A. S. B. Tariq, I. Reichstein and F. B. Malik	European Physical Journal A, Vol. 41, P. 215 (2009) DOI: 10.1140/epja/i2009-10813-7 Publisher: Springer
11	Microscopic ${}^6\text{Li}$ - ${}^{28}\text{Si}$ potential from the energy-density functional theory	S. Hossain, M. N. A. Abdullah , A. S. B. Tariq, M. A. Uddin, A. K. Basak, K. M. Rusek, I. Reichstein and F. B. Malik	Europhysics Letters, Vol. 84, P. 52001 (2008) DOI: 10.1209/0295-5075/84/52001 Publisher: Institute of Physics (London)
12	Non-monotonic alpha- and ${}^6\text{Li}$ -potential from energy density functional formalism	A. K. Basak, S. Hossain, M. N. A. Abdullah , M. A. Uddin, I. Reichstein and F. B. Malik,	International Journal of Modern Physics, Vol. 22, P. 4679 (2008) DOI: 10.1142/S0217979208050449 Publisher: World Scientific
13	Alpha-alpha and alpha-nucleus potentials: an energy-density functional approach	Z. F. Shehadeh, A. K. Basak, M. N. A. Abdullah , M. A. Uddin, I. Reichstein, M. S. Sabra, and F. B. Malik	International Journal of Modern Physics, Vol. 21, P. 2429 (2007) DOI: 10.1142/9789812709592_0034 Publisher: World Scientific
14	Alpha-alpha potential up to 47.3 MeV bombarding energy	M. N. A. Abdullah , M. S. Sabra, M. M. Rashid, Z. Shehadeh, M. M. Billah, S. K. Das, M. A. Uddin, A. K. Basak, I. Reichstein, H. M. Sen Gupta and F. B. Malik	Nuclear Physics. A, Vol. 775, P. 1 (2006) DOI: 10.1016/j.nuclphysa.2006.06.007 Publisher: Elsevier

15	Shallow folding potential for $^{16}\text{O}+^{12}\text{C}$ elastic scattering	S. Hossain, M. N. A. Abdullah , K. M. Hasan, S. K. Das, M. A. Uddin, A. K. Basak, S. Ali and F. B. Malik	Physics Letters B, Vol. 636, P. 235 (2006) DOI: 10.1016/j.physletb.2006.03.071 Publisher: Elsevier
16	Alpha-Ni optical model potentials	M. M. Billah, M. N. A. Abdullah , S. K. Das, M. A. Uddin, A. K. Basak, I. Reichstein, H. M. Sen Gupta and F. B. Malik	Nuclear Physics A Vol. 762, P. 50 (2005) DOI: 10.1016/j.nuclphysa.2005.07.020 Publisher: Elsevier
17	Potentials for the α - $^{40,44,48}\text{Ca}$ elastic scattering	M. N. A. Abdullah , A. B. Idris, A. S. B. Tariq, M. S. Islam, S. K. Das, M. A. Uddin, A. S. Mondal, A. K. Basak, I. Reichstein, H. M. Sen Gupta and F. B. Malik	Nuclear Physics A Vol. 760, P. 49 (2005) DOI: 10.1016/j.nuclphysa.2005.05.149 Publisher: Elsevier
18	Band mixing in ^{29}Si and ^{29}P	S. Hossain, M. N. A. Abdullah , S. K. Das, M. A. Uddin, A. K. Basak, H. M. Sen Gupta, I. J. Thomson and F. B. Malik	Journal of Physics G: Nucl. Part. Phys. Vol. 31, P. 309 (2005) DOI: 10.1088/0954-3899/31/5/003 Publisher: Institute of Physics (London)
19	Electron impact ionization of hydrogenic atoms	M. A. Uddin, M. N. A. Abdullah , M. S. Mahbub and A. K. Basak	Physica Scripta Vol. 68 P. 192 (2003) DOI: 10.1238/Physica.Regular.068a00193 Publisher: Institute of Physics (London)
20	Cluster structure of $^{40,44,48}\text{Ca}$	M. N. A. Abdullah , M. S. I. Sarker, S. Hossain, S. K. Das, A. S. B. Tariq, M. A. Uddin, A. S. Mondal, A. K. Basak, S. Ali, H. M. Sen Gupta and F. B. Malik	Physics Letters B 571 (2003) 45 DOI: 10.1016/j.physletb.2003.08.014 Publisher: Elsevier
21	Cluster structure of ^{16}O	M. N. A. Abdullah , S. Hossain, M. S. I. Sarker, M. A. Uddin, S. K. Das, A. S. B. Tariq, A. K. Basak, S. Ali, H. M. Sen Gupta and F. B. Malik	European Physical Journal A Vol. 18, P. 65 (2003) DOI: 10.1140/epja/i2002-10168-7 Publisher: Springer
22	Molecular versus squared Woods-Saxon α -nucleus potentials in $^{27}\text{Al}(\alpha,t)^{28}\text{Si}$ reaction	M. N. A. Abdullah , S. K. Das, A. S. B. Tariq, M. S. Mahbub, A. S. Mondal, M. A. Uddin, A. K. Basak, H. M. Sen Gupta and F. B. Malik	Journal of Physics G: Nucl. Part. Phys. Vol. 29, P. 1259 (2003) DOI: 10.1088/0954-3899/29/6/323 Publisher: Institute of Physics (London)
23	Investigation of α -nucleus interaction in the $^{27}\text{Al}(\alpha,\alpha)^{27}\text{Al}$ scattering and $^{27}\text{Al}(\alpha,d)^{29}\text{Si}$ reaction	M. N. A. Abdullah , M. S. Mahbub, S. K. Das, A. S. B. Tariq, M. A. Uddin, A. K. Basak, H. M. Sen Gupta and F. B. Malik	European Physical Journal A Vol. 15, P. 477 (2002) DOI: 10.1140/epja/i2002-10066-0 Publisher: Springer
24	Investigation of inelastic α -scattering on ^{24}Mg and ^{28}Si	A. K. Basak, M. N. A. Abdullah , A. S. B. Tariq, S. K. Das, A. F. M. M. Rahman, A. S. Mondal, H. M. Sen Gupta and F. B. Malik	European Physical Journal A Vol. 12, p. 387 (2001) DOI: 10.1007/s10050-001-8662-4 Publisher: Springer

6. Prof. Dr. Suranjan Kumar Das

Sl No	Title of the Article	Author	Name of the Journal with Volume, page no and year
01	New Measurement of the ${}^8\text{Li}(\alpha, n){}^{11}\text{B}$ Reaction in a Lower-Energy Region Below the Coulomb Barrier	S. K. Das , T. Fukuda, Y. Mizoi, H. Ishiyama, H. Miyatake, Y. X. Watanabe, Y. Hirayama, S. C. Jeong, H. Ikezoe, M. Matsuda, K. Nishio, and T. Hashimoto	Physical Review C, 95 (2017)
02	Study of Natural Radioactivity and Radiological Hazard of Sand, Sediment and Soil Samples from Inani Beach, Cox's Bazar, Bangladesh	M.M. Ahmed, S. K. Das , M.A. Haydar, M.M. H. Bhuiyan, M. I. Ali, D. Paul	Journal of Nuclear and Particle Physics 4(2) (2014) 69-78
03	Gas-Gain Study on CERN GEM and 400- μm -Thick GEM in Low-Pressure He/CO ₂ Mixed Gas	S. K. Das , Y. Mizoi, T. Fukuda, K. Yamaguchi, H. Ishiyama, M.H. Tanaka, Y.X. Watanabe, H. Miyatake	Nuclear Instruments and Methods A 625 (2011) 39-42
04	Development of the GEM-MSTPC for Measurements of Low-Energy Nuclear Reactions	K. Yamaguchi, H. Ishiyama, M.-H. Tanaka, Y.X. Watanabe, H. Miyatake, Y. Hirayama, N. Imai, H. Makii, Y. Fuchi, S.C. Jeong, T. Nomura, Y. Mizoi, S.K. Das , T. Fukuda, T. Hashimoto, I. Arai	Nuclear Instruments and Methods A 623 (2010) 135-137
05	A New Measurement of the Astrophysical ${}^8\text{Li}(d, t){}^7\text{Li}$ Reaction	T. Hashimoto, H. Ishiyama, Y.X. Watanabe, Y. Hirayama, N. Imai, H. Miyatake, S.C. Jeong, M.-H. Tanaka, N. Ichikawa, T. Nomura, S. Mitsuoka, K. Nishio, T.K. Sato, A. Osa, S. Ichikawa, M. Matsuda, H. Ikezoe, Katayama, S. K. Das , Y. Mizoi, T. Fukuda, A. Sato, T. Shimoda, K. Otsuki, T. Kajino	Physics Letters B 674 (2009) 276-280
06	A Systematic Study of Astrophysical Nuclear Reactions Through ${}^8\text{Li}$	H. Ishiyama, T. Hashimoto, T. Ishikawa, Y. X. Watanabe, H. Miyatake, M. H. Tanaka, Y. Fuchi, N. Yoshikawa, Y. Hirayama, N. Imai, S. C. Jeong, T. Nomura, I. Katayama, S. Mitsuoka, K. Nishio, M. Matsuda, S. K. Das , Y. Mizoi, T. Fukuda, S. Ichikawa, H. Ikezoe, T. Shimoda, K. Otsuki, J.F. Lara, T. Kajino	Nuclear Physics A 805(2008) 537-539
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9. Dr. Kaniz Fatema Kakolee

Sl No	Title of the Article	Authors	Name of the Journal with Volume, page no and year
01	Proton acceleration through a charged cavity created by ultra intense laser pulse	S. Ter-Avetisyan, P. K. Singh, A. A. Andreev, K. F. Kakolee , H. Ahmed, M. H. Cho, S. Sharif, C. Scullion, P. Hadjisolomnou and M. Borghesi	Physics of Plasmas [PoP, Vol.26, Issue 10), 2019
02	Intensified proton and carbon ion flux from femto second laser-matter interaction	P. K. Singh, A. A. Andreev, K. F. Kakolee , and S. Ter-Avetisyan	<i>Physics of Plasmas</i> , 25, 2018
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03	Correlations of Structural, Dielectric, Magnetic and Magnetoelectric Properties of $\text{Ca}_{1-x}\text{Sr}_x(\text{Fe}_{0.5}\text{Ta}_{0.5})\text{O}_3$ Multiferroic Ceramics	M. K. H. Bhuiyan, M. A. Gafur, M. N. I. Khan, A. A. Momin and A. K. M. Akther Hossain	Materials Sciences and Applications Vol: 8(1), Page: 64-84 (2017)
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