Brief Biodata

Name:	Surajit Ghosh
Designation:	Professor Dean Research and Development
Address:	Department of Bioscience & Bioengineering Indian Institute of Technology Jodhpur NH 65, Surpura Bypass Road, Karwar, Rajasthan 342037 Phone: +91-291-280-1212 (Office) Webpage: https://sggroupiitj.com/
Date of Birth:	December 25, 1977
Email:	sghosh@iitj.ac.in; sgiicb@gmail.com

Education:

1995-1998:	BSc. (Chemistry), University of Calcutta, India.
1998-2000:	MSc. (Chemistry), University of Calcutta, India.
2004-2008:	Ph.D (Chemistry), Indian Institute of Technology Kanpur
2008-2010	Post-Doctoral Study (Cell Biology), European Molecular Biology Laboratory, Heidelberg, Germany

- Total Number of Publications: **103**
- Citation Index: h-index: **23**; i10-index: **62**
- Patents Filed/Granted: **09**
- Technologies / **Products Developed** / Licensed: **Three**
- **Master Thesis Awarded (6); PhD Awarded (10); PhD is in Progress (15); RA Completed/Supervised/Ongoing (6)**

Professional Recognition:

- ***Expert Member, Neuroscience, BRICS Meeting, May 25-26, 2021***
- ***Board of Directors, JCKIF, a not for profit section 8 company (2021)***
- ***Board of Directors, iHub Drishti, a not for profit section 8 company (2020)***
- ***Board Member, IIT Jodhpur (2019-2022)***
- ***Dean, Research and Development, IIT Jodhpur (2019-2021)***
- ***Special Invitee as PAC Member in SERB (2020)***
- ***Expert Member in DST-SERB Ramanujan Fellowship Committee (2019-Till Date)***
- ***Council Member-International Chemical Biology Society (2017)***
- ***Associate Editor, Royal Society of Chemistry Advances, UK (2015-Till date)***
- ***Member-Asian Chemical Biology Initiative (2018)***
- ***Elected Fellow of West Bengal Academy of Science and Technology (2019)***
- ***Elected Fellow of Royal Society of Chemistry, UK (2016)***
- ***Founder Life Member & Joint Secretary-Chemical Biology Society of India***
- ***Life Member-Indian Peptide Society***
- ***Editorial Board Member-Frontiers in Chemistry (Chemical Biology)***

Professional Experience/Appointments:

2019-2022	Board Member, IIT Jodhpur
September 2019-August 2022	Dean, Research and Development Indian Institute of Technology Jodhpur
9th July 2019-till date:	Professor, Indian Institute of Technology Jodhpur
March 2018	Visiting Scientist, ISIR, Osaka University, Japan
2015-2019 & 2019-till date	Associate Editor Royal Society of Chemistry Advances, UK (RSC Advances)
August-October 2012	Visiting Scientist in Rudolph Virchow Centre, University of Wurzburg, Germany
April 2014-8th July:	Principal Scientist, CSIR-IICB, Kolkata Associate Professor, AcSIR
2012	Visiting Scientist, London Cancer Research Institute, UK
January 2011-2015:	Scientist, Ramanujan Fellow at CSIR-IICB, Kolkata
2011-till date:	Adjunct Faculty, National Institute of Pharmaceutical Education & Research, Kolkata
2011-2014 and 2014-2019:	Assistant Professor and Associate Professor, Academy of Scientific & Innovative Research, Ghaziabad, Uttar Pradesh 201002
July 2008-December 2010:	Postdoctoral Fellow in Cell Biology and Biophysics Unit European Molecular Biology Laboratory, Heidelberg, Germany Postdoctoral Advisor: Dr. Thomas Surrey
January 2001 − July 2004:	Scientist, BIOCON, 20th KM, Hosur Road, Electronics City, Bangalore, India.

Awards:

2020	SERB STAR Award
2020	CDRI Awards 2020 for Excellence in Drug Research
2019	Journal of American Chemical Society "Young Investigators Virtual Issue" Award
2019	Elected Fellow, West Bengal Academy of Science and Technology

2018	Asima Chatterjee Young Scientist Award
2017	Syamasri Gupta Memorial Young Scientist Award from Indian Society for Surface Science & Technology
2017	Travel Grant by International Chemical Biology Society for Invited Lecture at Shanghai, China
2017	Young Scientist Award by Indian Peptide Society
2016	Elected Fellow, The Royal Society of Chemistry, UK
2010	Ramanujan Fellowship (2011-2015)
2010	Travel grant by DBT/ Wellcome Trust for attending "EMBO Global Exchange & the Wellcome Trust/DBT India Alliance meeting" at Barcelona
2009	Alexander Von Humboldt Fellowship
2008	EMBL Postdoctoral Fellowship
2007	Travel and Stay Support by BASF Company for attending in International Symposium "BASF Conference on Nanomaterials" in Singapore.
2002	Biocon Tribute award for important contribution (Biocon India Group)

List of Publications and Patents

Summary of Publications as Independent PI:

Journal Name (* Corresponding Author)	Number	Impact Factor
1. JACS*	01	15.33
2. Chemical Science	01	9.82
3. ACS Applied Materials and Interfaces*	04	9.22
4. Biomacromolecules*	02	6.98
5. Nanoscale	01	7.79
6. Advance Healthcare Materials*	01	9.93
7. Chemical Communications*	11	6.22
8. ACS Chemical Neuroscience*	17	4.41
9. ACS Biomaterials Science and Engineering*	03	4.74
10. Molecular Phamaceutics*	01	4.93
11. Langmuir*	02	3.88
12. Phys Chem Chem Phys*	05	4.123
13. Dalton Transactions*	01	4.39
14. Soft Matter*	02	4.1
15. ChemBioChem*	01	3.16

16. Macromolecular Bioscience*	**01**	**4.97**
17. Molecular Biosystem*	**01**	**3.183**
18. ChemMedChem*	**03**	**3.46**
19. ChemPhysChem*	**02**	**3.10**
20. J Phys Chem B*	**03**	**2.99**
21. ACS OMEGA*	**05**	**3.51**
22. RSC Advances*	**04**	**3.36**

Detailed List of Publications (∗: Corresponding author; #: Equal contribution):

103. Batakrishna Jana, Surajit Barman, Rajsekhar Roy, Gaurav Das, Nabanita Mukherjee, Anindyasundar Adak, **Surajit Ghosh*.**
Fluorine Substituted Proline Enhances Tubulin Binding Potential of a Tetrapeptide at GTP Binding Pocket Causing Inhibition of Microtubule Motility and Antimitotic Effect"
The Journal of Physical Chemistry B, 2021 (Just Accepted) Impact Factor (2.99)

102. Tanaya Chatterjee, Gaurav Das, **Surajit Ghosh** and Pinak Chakrabarti.
Effect of Gold Nanoparticles on the Structure and Neuroprotective Function of Protein L-isoaspartyl methyltransferase (PIMT)
Nature Scientific Reports 2021, (Just accepted) (Impact factor 4.37)

101. Saswat Mohapatra, Varsha Gupta, Prasenjit Mondal,Shreyam Chatterjee,Debmalya Bhunia,and **Surajit Ghosh.***
Small Molecule with Bridged Carbonyl and Tri-fluoro-aceto-phenone Groups Impedes Microtubule Dynamics and Subsequently Triggers Cancer Cell Apoptosis"
ChemMedChem 2021, (Just Accepted) (Impact factor 3.46)

100. Saswat Mohapatra, Gaurav Das, Varsha Gupta, Prasenjit Mondal, Masashi Nitani, Yutaka Ie, Shreyam Chatterjee, Yoshio Aso***, Surajit Ghosh***.*
Power of organic electron acceptor in modulation of intracellular mitochondrial ROS: Induces JNK and caspase dependent apoptosis of cancer cells"
ACS Omega 2021, 11, 7815–7828. (**Impact Factor: 2.87**)

99. Jyothi Nair, Saswat Mohapatra, Manu Joseph, Santhi Maniganda, Varsha Gupta, **Surajit Ghosh,*** Kaustabh Maiti*.
Tracking the Foot-prints of Paclitaxel Delivery and Mechanistic Action via SERS Trajectory in Glioblastoma Cells"
ACS Biomater. Sci. Eng. 2020, 6, 9, 5254–5263. (Impact Factor: 4.511).

98. Gaurav Das, Surojit Ghosh, Shubham Garg, Satyajit Ghosh, Aniket Jana, Ramkamal Samat, Nabanita Mukherjee, Rajsekhar Roy, and **Surajit Ghosh.***
Overview of Key Potential Therapeutic Strategies to Combat with the COVID-19 Battle.
RSC Advances 2020, 10, 28243 - 28266. (Review Article) (Impact Factor: 3.049) (Just Accepted).

97. Nabanita Mukherjee, Anindyasundar Adak, and **Surajit Ghosh.***
Recent Trends in the Development of Peptide and Protein-based Hydrogel Therapeutics for Healing of CNS Injury.
Soft Matter 2020, 16, 10046-10064 (Review Article) (Impact Factor: 3.399)

96. Krishnangsu Pradhan, Gaurav Das, Chirantan Kar, Nabanita Mukherjee, Juhee Khan, Tanushree Mahata, Surajit Barman, and **Surajit Ghosh***
Rhodamine Based Metal Chelator: A Potent Inhibitor of Metal-Catalyzed Amyloid Toxicity.
ACS Omega 2020. 5, 30, 18958–18967. (**Impact Factor: 2.87**)

95. Satyajit Ghosh, Shubham Garg, and **Surajit Ghosh.***
Cell-Derived Exosome Therapy: A Novel Approach to Treat Post Traumatic Brain Injury Mediated Neural Injury.
ACS Chem. Neurosci. 2020, 14, 2045–2047. (**Impact Factor**: **4.48**)

94. Nabanita Mukherjee and **Surajit Ghosh***
Myelin Associated Inhibitory Proteins as a Therapeutic Target for Healing of CNS injury.
ACS Chem. Neurosci., 2020, 12, 1699–1700. (**Impact Factor**: **4.48**)

93. Gaurav Das, Nabanita Mukherjee, **Surajit Ghosh***
Neurological Insights of COVID-19 Pandemic.
ACS Chem. Neurosci. 2020. 11, 9, 1206-1209. (**Impact Factor**: **4.48**)
Highlighted in major news media (More than 60 news agencies) such as Times of India, Hindustan Times, The Print, Zee News, ABP News, Rajasthan News, etc. and DST, Government of India. ICMR Inducted Loss of Smell and Taste as Symptom of COVID 19. Citation: 128

92. Rajsekhar Roy, Krishnangsu Pradhan, Juhee Khan, Gaurav Das, Nabanita Mukherjee, Durba Das, and **Surajit Ghosh.***
Human Serum Albumin Inspired Glycopeptide-Based Multifunctional Inhibitor of Amyloid-β Toxicity.
ACS OMEGA. 2020, 5, 18628-18641. (**Impact Factor: 2.87**)

91. Anindyasundar Adak, Gaurav Das, Juhee Khan, Nabanita Mukherjee, Varsha Gupta, Rathnam Mallesh, **Surajit Ghosh***
Extracellular Matrix Mimicking (ECM) Neuroprotective Injectable Sulfo-functionalized Peptide Hydrogel for Repairing Brain Injury.
ACS Biomater. Sci. Eng. 2020, **6, 4, 2287–2296. Highlighted in Cover Page. (Impact Factor: 4.511).**

90. Nabanita Mukherjee, Subhadra Nandi, Shubham Garg, Satyajit Ghosh, Surojit Ghosh, Ramkamal Samat, **Surajit Ghosh.***

Targeting Chondroitin Sulfate Proteoglycans: An Emerging Therapeutic Strategy to Treat CNS Injury.

ACS Chemical Neurosci. 2020, 11, 231-232. (**Impact Factor**: **4.48**) **Highlighted in Cover Page**.

89. Pinaki Bhattacharjee, Sourav Chatterjee, Anushree Achari, Abhijit Saha, Debkumar Nandi, Chiranjit Acharya, Kasturi Chatterjee, **Surajit Ghosh,** Snehasikta Swarnakar, Parasuraman Jaisankar.*

A bis-indole/carbazole based C5-curcuminoid fluorescent probe with large Stokes shift for selective detection of biothiols and application to live cell imaging

Analyst (Cambridge, UK), 2020, 145, 1184 – 1189. **(Impact Factor: 3.978**)

88. Nabanita Mukherjee, Subhadra Nandi, Satyajit Ghosh, Shubham Garg, **Surajit Ghosh.***

3D Microfluidic Platform with Neural Organoids: Model System for Unraveling Synapse.

ACS Chem Neurosci. 2020, 11, 101-102. **Viewpoint** (**Impact Factor**: **4.48**)

87. Tanaya Chatterjee*, Gaurav Das, Barun K. Chatterjee, Jesmita Dhar, **Surajit Ghosh** and Pinak Chakrabarti.*

"The role of isoaspartate in fibrillation and its prevention by Protein-L-isoaspartyl"

BBA-General Subjects, 2020,1864 (3):129500. **(Impact Factor: 3.68)**

86. Apabrita Ayan Das, Devasmita Chakravarty, Debmalya Bhunia, **Surajit Ghosh,** Prakash C. Mandal, Khawer N. Siddiqui and Arun Bandyopadhyay.*

Elevated level of circulatory sTLT1 induces inflammation through SYK/MEK/ERK signalling in coronary artery disease"

Clinical Science (Lond), 2019, 133, 2283-2299. (Impact Factor: 5.2) Highlighted in Cover Page.

85. Prasenjit Mondal, Rajdeep Chowdhury, Somen Nandi, Md Asif Amin, Kankan Bhattacharyya* **Surajit Ghosh.***

Probing Deviation of Adhered Membrane Dynamics between Reconstituted Liposome and Cellular System.

Chemistry-An Asian Journal, 2019, 14, 4616-4624. (Impact Factor: 3.692) (Invited)

84. Gaurav Das, Varsha Gupta, Juhee Khan, Deepshikha Mukherjee and **Surajit Ghosh.***

Generation of Neurospheres from Mixed Primary Hippocampal and Cortical Neurons Isolated from E14-E16 Sprague Dawley Rat Embryo" Journal of Visualized Experiments.

JoVE , 2019, 150. Doi: 10.3791/59800. (Impact Factor 1.325)

83. Prasenjit Mondal, Juhee Khan, Varsha Gupta and **Surajit Ghosh.***

In silico Approach for Designing Potent Neuroprotective Hexapeptide.

ACS Chem Neurosci. 2019, 10, 6, 3018-3030. (**Impact Factor**: **4.48**)

82. Surajit Barman, Gaurav Das, Varsha Gupta, Prasenjit Mondal, Krishnangsu Pradhan, Batakrishna Jana, Debmalya Bhunia, Juhee Khan, Deepshikha Mukherjee and **Surajit Ghosh.***
Dual Arm Nanocapsule Targets Neuropilin-1 Receptor and Microtubule: A Potential Nanomedicine Platform.
Mol. Pharmaceutics 2019, **16, 2522-2531. (Impact Factor 4.556)**

81. Saswat Mohapatra, Gaurav Das, Chirantan Kar, Masashi Nitani, Yutaka Ie, Yoshio Aso and **Surajit Ghosh.***
Mitochondria Targeted New Blue Light Emitting Fluorescent Molecular Probe.
ACS Omega 2019, 4, 59361-9366. (Impact Factor: 2.87)

80. Anindyasundar Adak, Subhajit Ghosh, Varsha Gupta and **Surajit Ghosh.***
Biocompatible Lipopeptide-Based Antibacterial Hydrogel.
Biomacromolecules, 2019, 20, 5, 1889-1898. **(Impact Factor: 6.092)**

79. Prasenjit Mondal, Gaurav Das, Juhee Khan, Krishnangsu Pradhan, Rathnam Mallesh, Abhijit Saha, Batakrishna Jana and **Surajit Ghosh.***
Potential Neuroprotective Peptide Emerged from Dual Neurotherapeutic Targets: A Fusion Approach for the Development of anti-Alzheimer's Lead.
ACS Chem Neurosci. 2019, 10, 2609-2620. (**Impact Factor**: **4.48**)

78. Surajit Barman, Gaurav Das, Prasenjit Mondal, Krishnangsu Pradhan, Batakrishna Jana, Debmalya Bhunia, Abhijit Saha, Chirantan Kar, and **Surajit Ghosh.***
Tripodal Molecular Propeller Perturbs Microtubule Dynamics: Indole acts as a Blade and Plays Crucial Role in Anticancer Activity.
Chem. Commun., 2019, 55, 2356-2359. (Impact Factor: 6.5)

77. Gaurav Das and **Surajit Ghosh.***
"Why Microtubule should be Considered as one of the Supplementary Target for Designing Neuro-therapeutics?"
ACS Chem Neurosci. 2019, 10, 1118-1120. (**Impact Factor**: **4.48**) (Viewpoint).

76. Tanushree Mahata, Prasenjit Mondal, Debmalya Bhunia, Somen Nandi, Prashant Kurkute, Kankan Bhattacharyya* and **Surajit Ghosh.***
Self-assembly of Antimitotic Peptide at Membranes: Computational and Experimental Investigation.
ACS OMEGA 2019, 4, 1, 745-754. (**Impact Factor: 2.87)**

75. Surajit Barman, Gaurav Das, Prasenjit Mondal, Krishnangsu Pradhan, Debmalya Bhunia, Juhee Khan, Chirantan Kar, and **Surajit Ghosh.***
Power of Tyrosine Assembly in Microtubule Stabilization and Neuroprotection Fuelled by Phenol Appendages.

ACS Chem Neurosci. 2019, 10, 1506-1516. (**Impact Factor**: **4.48**)

74. Gaurav Das, Varsha Gupta and **Surajit Ghosh.***
Glial-Neuron Transformation by "Chemical Cocktail".
ACS Chem Neurosci. 2019, 10, 42-43. (**Impact Factor**: **4.48**)

73. Krishnangsu Pradhan, Gaurav Das, Juhee Khan, Varsha Gupta, Surajit Barman, Anindyasundar Adak, and **Surajit Ghosh.***
Neuro-Regenerative Choline Functionalized Injectable Graphene Oxide Hydrogel Repairs Focal Brain Injury.
ACS Chem Neurosci. 2019, 10, 1535-1543. (**Impact Factor**: **4.48**)

72. Krishnangsu Pradhan, Gaurav Das, Varsha Gupta, Prasenjit Mondal, Surajit Barman, Juhee Khan, and **Surajit Ghosh.***
Discovery of Neuro-regenerative Peptoid from Amphibian Neuropeptide Inhibits Aβ Toxicity and Crossed Blood-Brain Barrier.
ACS Chem Neurosci. 2019, 10, 3, 1355-1368. **Highlighted in Cover Page.** (**Impact Factor**: **4.48**)

71. Juhee Khan, Gaurav Das, Varsha Gupta, Saswat Mohapatra, Subhajit Ghosh, and **Surajit Ghosh.***
Neurosphere Development from Hippocampal and Cortical Embryonic Mixed Primary Neuron Culture: A Potential Platform for Screening Neuro-Chemical Modulator.
ACS Chem Neurosci. 2018, 9, 11, 2870-2878. Highlighted in Cover Page. (**Impact Factor**: **4.48**)

70. Debmalya Bhunia, Krishnangsu Pradhan, Gaurav Das, Subhajit Ghosh, Prasenjit Mondal, Surajit Ghosh.*
Matrix metalloproteinase targeted peptide vesicles for delivering anticancer drugs.
Chem. Commun., 2018, 54, 9309 - 9312. (Impact Factor: 6.5).

69. Krishnangsu Pradhan, Gaurav Das, Prasenjit Mondal, Juhee Khan, Surajit Barman, Surajit Ghosh.*
Genesis of Neuroprotective Peptoid from Aβ30-34 Inhibits Aβ Aggregation and AChE Activity.
ACS Chem Neurosci. 2018, 9, 12, 2929-2940. (**Impact Factor**: **4.48**)

68. Prasenjit Mondal, Varsha Gupta, Gaurav Das, Krishnangsu Pradhan, Juhee Khan, Prabir Kumar Gharai and **Surajit Ghosh.***
Peptide-based Acetylcholinesterase Inhibitor Crosses Blood-Brain Barrier and Promotes Neuroprotection.
ACS Chem Neurosci. 2018, 9, 2838-2848. (Article) (**Impact Factor**: **4.48**)

67. Somen Nandi S, **Surajit Ghosh,*** Kankan Bhattacharyya.*

Live Cell Microscopy: A Physical Chemistry Approach.
J Phys Chem B. 2018, 122, 3023-3036. (Feature Article) (Impact Factor: 3.2).

66. Debmalya Bhunia, Prasenjit Mondal, Gaurav Das, Abhijit Saha, Pallabi Sengupta, Jagannath Jana, Saswat Mohapatra, Subhrangsu Chatterjee, and **Surajit Ghosh.*** Spatial Position Regulates Power of Tryptophan: Discovery of Major Groove Specific Nuclear Localizing Cell Penetrating Tetrapeptide.
J Am Chem Soc., 2018, 140, 1697-1714. (Article)
Selected for JACS Young Investigators Virtual Issue, 2019 by Prof. Peter J. Stang (Editor-in Chief, JACS). (Impact Factor: 14.67).

65. Prasenjit Mondal, Gaurav Das, Juhee Khan, Krishnangsu Pradhan, and **Surajit Ghosh*** Crafting of Neuroprotective Octapeptide from Taxol-Binding Pocket of β-Tubulin.
ACS Chem. Neurosci., 2018, 9, 615-625. (**Impact Factor**: **4.48**)

64. Batakrishna Jana, Prasenjit Mondal , Abhijit Saha, Anindyasundar Adak, Gaurav Das, Saswat Mohapatra, Prashant Kurkute, and **Surajit Ghosh.*** Designed Tetrapeptide Interacts with Tubulin and Microtubule.
Langmuir, 2018, 34, 1123-1132. **(Impact Factor-3.83)**

63. Gaurav Das, Shyamtanu Chattoraj, Somen Nandi, Prasenjit Mondal, Abhijit Saha, Kankan Bhattacharyya* and **Surajit Ghosh.*** Probing the conformational dynamics of photosystem I in unconfined and confined spaces.
Phys Chem Chem Phys. 2017, 20, 449-455. (Impact Factor-4.123).

62. Nibedita Nandi, Kousik Gayen, Sandip Ghosh, Debmalya Bhunia, Steven Kirkham, Sukanta Kumar Sen, **Surajit Ghosh,** Ian W. Hamley, and Arindam Banerjee*. Amphiphilic Peptide-based Supramolecular, Non-Cytotoxic Stimuli-responsive Hydrogels with Antibacterial Activity.
Biomacromolecules, 2017, 18, 621-3629. (Impact Factor: 5.24)

61. Parag Savla, Gaurav Das, Prasenjit Mondal, Rahul Laxman Gajbhiye, Parasuraman Jaisankar, **Surajit Ghosh.*** Methanolic Extract of Papaya Leaves Shows Neuroprotective Effect.
Chemistry SELECT, 2017, 2, 9454- 9457.

60. Hilal Ahmad Pal, Saswat Mohapatra, Varsha Gupta, **Surajit Ghosh** and Sandeep Verma.* Self-assembling soft structures for intracellular NO release and promotion of neurite outgrowth.
Chem Sci. 2017, 8, 6171-6175. **(Impact Factor: 8.668)**

59. A Amin, S Nandi, P Mondal, T Mahata, **Surajit Ghosh*,** and K Bhattacharyya.*

Physical Chemistry in a Single Live Cell: Confocal Microscopy.
Phys Chem Chem Phys., (Perspective) 2017, 19, 12620-12627. **(Impact Factor: 4.4)**

58. A Adak, G Das, S Barman, S Mohapatra, D Bhunia, **Surajit Ghosh***
Biodegradable Neuro-Compatible Peptide Hydrogel Promotes Neurite Outgrowth, Shows Significant Neuroprotection, and Delivers Anti-Alzheimer Drug.
ACS Appl Mater Interfaces. 2017, 9, 5067- 5076. (**Impact Factor - 8.456**)

57. A Saha, S Mohapatra, G Das, B Jana, S Ghosh, D Bhunia, **Surajit Ghosh***
Cancer cell specific delivery of Photosystem I through integrin targeted liposome shows significant anticancer activity.
ACS Appl. Mater. Interfaces, 2017, 9, 1, 176-188. (Impact Factor - 8.456)

56. D Bhunia, A Saha, A Adak, G Das, **Surajit Ghosh.***
A dual functional liposome specifically targets melanoma cells through integrin and ephrin receptors.
RSC Adv., 2016, 6, 113487-113491. **(IF- 3.289)**

55. S Ghosh, S Mohapatra, A Thomas, D Bhunia, A Saha, G Das, B Jana, **Surajit Ghosh***
Apoferritin-nanocage delivers combination of microtubule and nucleus targeting anticancer drugs.
ACS Appl. Mater. Interfaces, 2016, 8, 30824–30832. (**Impact Factor: 8.456**)

54. S Chakraborty, G Das, **Surajit Ghosh,** D Mal*
Regioselective synthesis of naphthoquinone/naphthoquinol-carbohydrate hybrids by [4 + 2] anionic annulations and studies on their cytotoxicity.
Org. Biomol. Chem., 2016, 14, 10636-10647. (**Impact Factor: 3.559**)

53. S Nandi, P Mondal, R Chowdhury, A Saha, **Surajit Ghosh,*** K Bhattacharyya*
Amyloid Beta Peptide inside a Reconstituted Cell-like Liposomal System: Aggregation, FRET, Fluorescence Oscillations and Solvation Dynamics.
Phys Chem Chem Phys., 2016, 18, 30444-30451. (**Impact Factor: 4.449**)

52. S Mohapatra, A Saha, P Mondal, B Jana, S Ghosh, A Biswas, **Surajit Ghosh***
Synergistic anticancer effect of peptide-docetaxel nano-assembly targeted to tubulin: Towards development of dual warhead containing nanomedicine.
Adv Healthcare Mater., 2017, 6, 1600718. (**Impact Factor: 5.76**). **Highlighted in Cover Page** and **Highlighted in Advance Science.**

51. D Bhunia, S Mohapatra, P Kurkute, S Ghosh, B Jana, P Mondal, A Saha, G Das, **Surajit Ghosh***
Novel Tubulin-targeted Cell Penetrating Antimitotic Octapeptide.
Chem. Commun., 2016, 52, 12657-12660. (**Impact Factor: 6.567**)

50. S Mohapatra, S Nandi, R Chowdhury, G Das, **Surajit Ghosh*,** K Bhattacharyya*.
Spectral Mapping of 3D Multi-cellular Tumor Spheroid: Time-resolved Confocal Microscopy.
Phys Chem Chem Phys., 2016,18,18381 - 18390. (**Impact Factor: 4.449**)

49. C Ghosh, D Bhunia, S Ghosh, B Jana, **Surajit Ghosh,*** K Bhattacharyya.*

Fluorescence Probing of Fluctuating Microtubule using a Covalent Fluorescent Probe: Effect of Taxol.
Chemistry SELECT, 2016, 1, 1841-1847. (**Impact Factor: 1.716)**

48. B Jana, S Mohapatra, P Mondal, S Barman, K Pradhan, A Saha, **Surajit Ghosh*** α-Cyclodextrin Interacts Close to Vinblastine Site of Tubulin and Delivers Curcumin Preferentially to the Tubulin Surface of Cancer Cell.
ACS Appl. Mater. Interfaces, **2016,** 8, 13793–13803. (**Impact Factor: 8.456**)

47. A Adak, S Mohapatra, PMondal, B Jana and **Surajit Ghosh.*** Design of novel microtubule targeted peptide vesicle for delivering different anticancer drugs.
Chem.Commun., 2016, 52, 7549-7552. Highlighted in Cover Page. **(Impact Factor: 6.83)**

46. K Basu, A Baral, S Basak, A Dehsorkhi, J Nanda, D Bhunia, **Surajit Ghosh,** V Castelletto, I W Hamley, A Banerjee* Peptide based hydrogels for cancer drug release: Modulation of stiffness, drug release and proteolytic stability of hydrogels by incorporating D-amino acid residue(s).
Chem.Commun. 2016, 52, 5045-5048. (Impact Factor: 6.83)

45. J B. Nair, M M Joseph, S Mohapatra, M. Safeera, **Surajit Ghosh,*** T. T. Sreelekha,* K K Maiti*.
A Dual-Targeting Octaguanidine–Doxorubicin Conjugate Transporter for Inducing Caspase-Mediated Apoptosis on Folate-Expressing Cancer Cells.
ChemMedChem. 2016, 11. (Impact Factor: 2.968)

44. S Chattoraj, M A Amin, S Mohapatra, **Surajit Ghosh,*** K Bhattacharyya* Cancer Cell Imaging by In Situ Generated Gold Nano-clusters.
ChemPhysChem, 2016, 17, 61-68. Highlighted in Cover-page. (Impact Factor: 3.41)

43. S Chattoraj, M A Amin, B Jana, S Mohapatra, **Surajit Ghosh,*** K Bhattacharyya* Selective Killing of Breast Cancer Cells by Doxorubicin Loaded Fluorescent Gold Nano-Cluster: Confocal Microscopy and FRET.
ChemPhysChem, 2016, 17, 253-9. (Impact Factor: 3.41)

42. A Saha, S Mohapatra, P Kurkute, B Jana, J Sarkar, P Mondal, **Surajit Ghosh*** Targeted delivery of novel peptide-docetaxel conjugate to MCF-7 cell through Neuropilin-1 receptor: Reduced toxicity and enhanced efficacy of docetaxel.
RSC Adv., 2015,5, 92596-92601. (Impact Factor: 3.84)

41. D Bhunia, R Chowdhury, K Bhattacharyya,* **Surajit Ghosh*** Fluorescence Fluctuation of Antigen-Antibody Complex: Circular Dichroism, FCS and smFRET of Enhanced GFP and its Antibody.
Phys Chem Chem Phys., 2015, 17, 25250-25259. (Impact Factor: 4.49)

40. A Biswas, P Kurkute, S Saleem, B Jana, S Mohapatra, P Mondal, A Adak, S Ghosh, A

Saha, D Bhunia, S C Biswas and **Surajit Ghosh*.**
Novel Hexapeptide Interacts with Tubulin and Microtubules, Inhibits Aβ Fibrillation, and Shows Significant Neuroprotection.
ACS Chem. Neurosci., 2015, 6, 1309-1316. Highlighted in Cover-page. (Impact Factor:4.36)

39. B Jana, J Sarkar, P Mondal, S Barman, S Mohapatra, D Bhunia, K Pradhan, A Saha, A Adak, S Ghosh, **Surajit Ghosh***
A short GC rich DNA derived from microbial origin targets tubulin/microtubule and induces apoptotic death of cancer cell.
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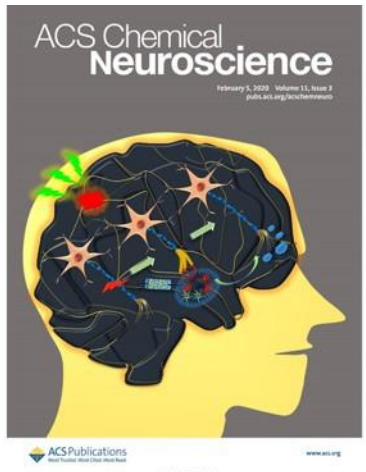

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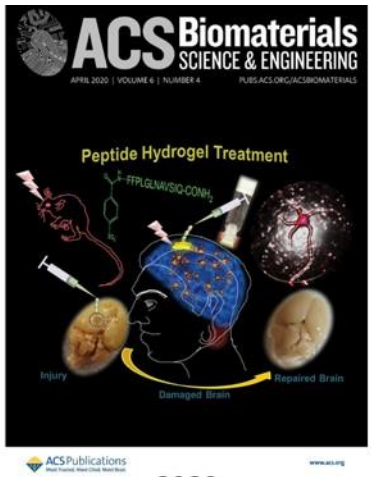

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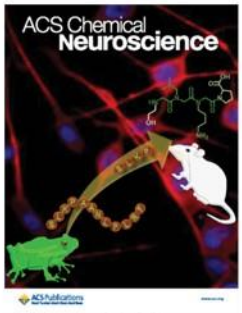

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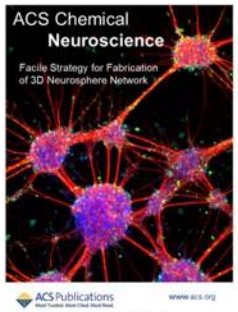

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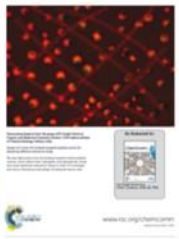

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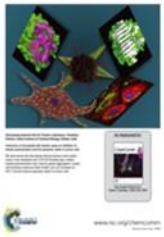

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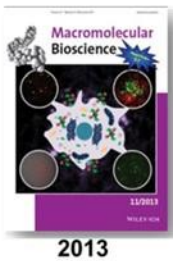

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