



St. Stephen's College  
Delhi 110007  
India

## Annual Report 2021-22

1. Name of the College: **St. Stephens's College**

2. Major Activities and Achievements:

- Admissions were conducted online.
- Offline classes began and exams were conducted without a break and as per the DU Calendar.
- The three-year old NCC contingent continued to win top accolades.
- College participated in the NIRF Ranking process.
- Dr Karen Gabriel was awarded with a one-year WSF-CES Digital Fellowship, University of Columbia.
- Dr Karen Gabriel appointed Executive Member of RINGS - The International Research Association of Institutions of Advanced Gender.
- Mr. Piyush Bansal delivered an online talk on the topic Legacy of Srinivasa Ramanujan in Kalka Public School, Alaknanda on 22 December, 2021
- Dr. Pankaj Kumar Mishra, Associate Professor, Department of Sanskrit was awarded with:
  1. Education Excellence Award, Award for Contribution to Education Community, Indian School Awards, National, Oct. 23, 2021,
  2. Global Faculty Award 2021, For Accomplishing Excellence in Educational Services Via Occupational Competence & Work in the Field of Higher Education, AKS Education Awards, International, January 15, 2022
- Appointed as a Question Setter and evaluator for the main Examination of HPPSC, Himachal Pradesh.
- Got Appreciation Certificate for the timely evaluation of Answer Scripts of open book Examination held in March, 2021 from the University of Delhi.
- Invited as a Subject Expert for the Appointment and Promotion of University Teachers by Jharkhand Public Service Commission, Ranchi. Invited as a Subject Expert for the Appointment and Promotion of University Teachers by Jharkhand Public Service Commission, Ranchi.
- Lt Dr. Rakhi Thareja, in-charge of the NCC:
  - (i) Overall modulator of the National Kargil Diwas that witnessed a participation of around 1500 cadets nationwide.
  - (ii) Organized the national event for paying homage to martyrs on 13 th Aug, 2021.
- Shaurya Sareen of 3rd Yr won the Silver Medal in the Junior World Championships in Lima Peru and further donned the Indian Tri Colour of the World Championships in Suhl, Germany where he narrowly missed a podium finish.
- Vishal Grewal of 3rd Yr BA Prog was one of the Champion Swimmers for Delhi State, Delhi University and at the Khelo India University Games continued to dazzle in South Africa.



- Jaideep Sethi of 3rd Yr BA Prog reached the quarter finals at the Bangabandu and Bangamata Stadium as a part of the International Squash Association Championships, in Bangladesh..
- Five Stephanians of Delhi University Squash Team Crowned All India Champions at the Gurukul Kargra University, Haridwar March 2022.  
Jaideep Sethi of 3<sup>rd</sup> Yr BA (P),  
Tejas Chawla of 2<sup>nd</sup> Yr BA (P)  
Prithvi Singh of BA Physics (H)  
Didar Rebello of 2<sup>nd</sup> Yr BA History (H)  
Kabir Rebello of 1<sup>st</sup> Yr BA Economics (H)
- Payal of 1st Yr English and Shaurya Sareen of 3<sup>rd</sup> Yr History were members of the Delhi University Shooting Teams that annexed Gold Medals in the Team Events at the All India Inter Varsity Shooting Championships at the Maharaja Karni Singh Shooting Range in Tughlakabad, Delhi.

### 3. Honours/Distinctions:

- The College continued its online Certificate programmes under the Centre for Advanced Studies.
- The St. Stephen's *Young Leaders, Neighbourhood-First Fellowship* programme, supported by the Ministry of External Affairs, Government of India for twenty-three participants from neighbouring countries.

### 4. Students with Distinction:

- Akumjung I Pongen was awarded the Rhodes Scholarship in 2021
- In the year 2021-22, the Post Graduate students came up with a 99% pass result. 38 students were admitted and 37 passed.
- In the UG category College secured a pass percentage of 95.37.

List of Students 2021 (Post Graduation and Under Graduation) Delhi University Toppers List				
S. No	Name	Course	Names of awards, Medals and Prizes.	Awards, Medals and prizes
1	Rhea Chandha	B.Sc. Physical Science	M. Makhan Lal Gold Medal	Medal
2	Urna Chakrabarty	M. A. Philosophy	Dr. S. Radhakrishnan Medal	Medal



			Indian Philosophical Congress Medal for M.A.	Medal
3	Feba Ann Mathew	M.Sc. Chemistry	Prof. K. N. Johri Memorial Gold Medal	Medal
4	Reshmi Das	M.A. English	Dr. N. S. Pradhan Memorial Medal	Medal
5	Rohit Vasav	B.Sc. Physics	University Medals for (B.Sc. Honours)	Medal
6	Monika	B.A. (Hons) Sanskrit	His Holiness Shankaracharya Swanandashram Hari Prize	Medal
			The Ravi Kanta Devi prize	Medal
7	Anuj Pawar	B.A. (Hons) Sanskrit	Vice Chancellor's Gold Medals	Medal

5. Publications:

**Dr Radha Mohan**

- K. Ahmed, S. Pal, and R. Mohan (2021). A review of the tropical approach in cryptography in *Cryptologia*. 1-25. Taylor & Francis. DOI: 10.1080/01611194.2021.1994486.
- K. Ahmed, S. Pal, and R. Mohan (2022). Some new semiring structures in *Asian-European Journal of Mathematics*. World Scientific. DOI: 10.1142/S179355712250173X.
- K. Ahmed, S. Pal and R. Mohan (2022). Key exchange protocol based upon a modified tropical structure. *Communications in Algebra*. 1-10. Taylor & Francis. DOI: 10.1080/00927872.2022.2095566

**Manisha Aggarwal**

- Manisha Aggarwal and L. Gupta, "Uniform Split Continuity", *Journal of Mathematical Analysis and Applications*, 511 (2022), 126099.



- L. Gupta and M Aggarwal, "Split Continuity: A different perspective", *Topology and its Applications*, 317 (2022), 108189.
- Manisha Aggarwal and Ş. Cobzaş, "On some Lipschitz-type functions", *Journal of Mathematical Analysis and Applications*, 517 (2023), 126631.
- S. Kundu and M Aggarwal, "Linear maps between the sequence spaces  $c$  and  $co$ ", to appear in *Resonance* in 2022.

#### **Piyush Bansal**

- Piyush Bansal, Ajay Kumar, Ashish Bansal; Continuous Modulated Shearlet Transform, *adv. pure appl. math.* (2022) (Forthcoming Papers) <https://www.openscience.fr/Continuous-Modulated-Shearlet-Transform>
- Dr. Ashish Bansal, Piyush Bansal; TestFit CUET (UG)-2022, Sultan Chand & Sons (P) Ltd., Delhi, India. ISBN: 978-93-9085-195-9.

#### **Dr Rakhi Thareja**

- "Potential protein and enzyme targets for in-silico development and repurposing of drugs against coronaviruses"- paper published *ChemistrySelect*, 2021, Wiley Online Library Authors: A Lochab, R Thareja, SD Gadre, R Saxena
- 'II-VI core/shell quantum dots and doping with transition metal ions as a means of tuning the magnetoelectronic properties of CdS/ZnS core/shell QDs: A DFT study" paper published in *Journal of Molecular Graphics and Modelling*, 2022, Elsevier Authors: P Malik, R Thareja, J Singh, R Kakkar
- "Size-dependent structural and electronic properties of stoichiometric II-VI quantum dots and gas sensing ability of CdSe quantum dots: a DFT study" paper published in *Journal of Nanoparticle Research*, 2022, Springer Authors: J Singh, R Thareja, P Malik, R Kakkar

#### **Dr Yogita Bisht**

- Yogita Bisht and Anil Kumar Nain (2021) "Solute-Solute and Solute-Solvent Interactions of l-Methionine, l-Threonine and l-Histidine in Aqueous-Carbohydrate Solutions using Kirkwood-Buff Theory: A Theoretical Study" *Organic & Medicinal Chemistry International journal*, 11(2):555806, 001-0011, ISSN: 2474-7610
- "Eco-friendly, cost effective, auto-sterilization of isolation gown: recent and forthcoming aspect", *International Journal of Advanced Research*. (Review article related to reduction in biomedical waste generated due to COVID-19).

#### **Dr Akshay Rana**

- Dr. Akshay Rana published a book as a contributing author titled 'Introduction to Special Relativity: An Indian Adaptation" by Wiley publication.

#### **Dr Jyotirmoy Maity**

- Arkaja Goswami, Ashok K Prasad, Jyotirmoy Maity, Neerja Khaneja, Synthesis and applications of bicyclic sugar modified locked nucleic acids: A review. *Nucleosides, Nucleotides and Nucleic Acids*, 2022, 41, 5-6,503-529.
- Dmytro Honcharenko, Cristina S.J. Rocha, Karin E. Lundin, Jyotirmoy Maity, Stefan Milton, Ulf Tedebark, Merita Murlota, Malgorzata Honcharenko, Andis Slaitas, CI Edvard Smith, Rula Zain, Roger Stromberg, 2'-O-(N-(Aminoethyl) carbamoyl) methyl modification allows for lower



phosphorothioate content in splice-switching oligonucleotides with retained activity. *Nucleic Acid Therapeutics*, 2022, 33(3), 221-233.

- Rajesh Kumar, Jyotirmoy Maity, Divya Mathur, Abhishek Verma, Neha Rana, Manish Kumar, Sandeep Kumar and Ashok K Prasad; Green synthesis of triazolo-nucleoside conjugates via azide-alkyne C-N bond formation. *Physical Sciences Review*, 2022, doi.org/10.1515/psr-2021-0090.
- Sandeep Kumar, Jyotirmoy Maity, Banty Kumar, Sumit Kumar, and Ashok K Prasad; Chemical and chemoenzymatic routes to bridged homoarabinofuranosyl pyrimidines: Bicyclic AZT analogues. *Beilstein Journal of Organic Chemistry*, 2022, 18, 95-101.
- Sandeep Kumar, Sumit Kumar, Jyotirmoy Maity, Banty Kumar, Shilpika Bali Mehta and Ashok K Prasad; Synthesis and photophysical properties of 5-(3''-alkyl/aryl-amino-1''-azaindolizin-2''-yl)-2'-deoxyuridines. *New Journal of Chemistry*, 2021, 45, 16635-16647.
- Vineet Verma, Jyotirmoy Maity, Vipin K. Maikhuri, Ritika Sharma, Himal K. Ganguly and Ashok K. Prasad; Double-headed nucleosides: Synthesis and applications. *Beilstein Journal of Organic Chemistry*, 2021, 17, 1392-1439.
- Laxmi Devi, Komal, Sunita Kanwar, Jyotirmoy Maity, Kamal Nayan Sharma and Anirban Das; Novel metal nanoparticles in organic catalysis. *Heterogeneous Catalysis in Organic Transformations*, 2022, ISBN 9780367647872
- Jyotirmoy Maity, Archana Jain and Tarun K Panda; Six-Membered Rings with Two or More Heteroatoms with at least One Arsenic or Bismuth. Reference Module In Chemistry, Molecular Sciences And Chemical Engineering; 2021, doi.org/10.1016/B978-0-12-818655-8.00103-7.

#### **Dr Shamim Ahmed**

- Edited and Published a book "Ishtiyaq Hussain Qureshi ke Drame" published in 2021 with ISBN 978-93-90789-86-3
- Published a book titled 'Urdu for All' for the beginners to learn Urdu.
- Co-Edited two books "Urdu ki Nai Kitab" Part I and II for certificate and diploma course in Urdu for department of Urdu, Delhi University.
- Gabriel, Karen. "Close Encounters of an Imperial Kind: Gandhi, Gender and Anti-Colonialism", in *Reflections on Mahatma Gandhi: Global Perspectives*, (eds.) Terry Beitzel and Chandrakant Langare, Delhi: Rawat 2021.

#### **Dr Karen Gabriel**

- Gabriel, Karen. "Unpacking Patriarchies: Feminism and the Humanities in India", *The World Humanities Report*, Consortium of Humanities Centers and Institutes (CHCI), The Board of Regents of the University of Wisconsin, 2022.
- Gabriel, Karen. "Towards Alternative Histories: Gandhi and the Interconstitutive Impact of the Colonial Encounter", *Inheriting Gandhi: Influences, Activisms*, (eds.) Satishchandra Kumar, Kanchana Mahadevan, Meher Bhoot and Rajesh Kharat. New Delhi: Speaking Tiger, 2022.
- (with Ulrike Stark) *Devrani Jethani ki Kahani or A Story of Two Sisters-in-Law (1870)*, by Gauri Datt, Translated and Annotated with an Introduction, Delhi: Primus, 2022.



- Reading Benjamin Franklin's Life Story in Bareilly, South Asian History and Culture, November 2, 2022, DOI: 10.1080/19472498.2022.2141260.
- Where Boundaries Bleed: The Many Subtleties of George W. Grierson's Linguistic Survey of India, Economic and Political Weekly, June 11, 2022, Vol LVII, No. 24, pp. 29-35. ISSN 0012-9976.
- Research Paper titled "A Kitchen of One's Own?: A Study of the Representative Politics of Gender, Space and Food in The Great Indian Kitchen" published in Women's Link, Vol 29 No 1, January 2022 issue. (ISSN 2229-6409 Print)
- Book Review of Elegy for the East: A Story of Blood and Broken Dreams by Dhrubajyoti Borah published in the UGC Care List Journal, The Book Review, Vol XLV1, Number 9, September 2022.
- Book Review of Raagam Taanam Pallavi: A Lali Mystery by Kalapana Swaminathan published in the UGC Care List Journal, The Book Review, Volume XLV, Number 12, December 2021.
- Paper titled "Ministries of (Post) Truth in Fascist Dystopias: Examining the Relationship between the Written Word and the Post-truth Condition" in the IACLALS Journal, Vol. 5, 2021
- "Defamiliarizing the Familial: A Cosmopolitan Reading of Satyajit Ray's Agantuk", Glocalism: Journal of Culture, Politics and Innovation, 2021:1. (UGC-CARE listed, E-ISSN 2283-7949)
- Book Review of The Annotated Passover Hagaddah edited by Zev Garber and Kenneth Hanson published in SHERM Journal, May 2022.
- "Altering Landscapes of the Holocaust: Mediation of Holocaust Memories through Art", Strife Blog and Journal, King's College, London, May 2022.
- "From Physical Shift to Psychic Shift: Anne's Move From 37 Merwedeplein to 263 Prinsengracht", Strife Blog and Journal, King's College, London, January 2022.
- Book Review of "Meeting" Anne Frank by Tim Whittome and Joop van Wijk-Voskuil, published in the second edition of the book, August 2021.
- Published an essay in Posthumanium Magazine titled "Of Faceless Monsters and Broken Mirrors: The Hybrid Anatomy of Slender Man", May 2021.
- Published an essay in Posthumanium Magazine titled "Strange Encounters: Analysing the Liberating Capacity of Death and its Representation on Screen in Stranger Than Fiction", May 2022.
- Sanskrit as The Reservoir of Knowledge, ISBN 978-93-91602-21-5
- Prevalence of Women in Classical Sanskrit Literature, ISBN 978-81-88601-7-5
- Sanskruti International Multidisciplinary Research Journal (SIMRJ) July-Aug-Sept2022 Vol. III/I 20-28 E-ISSN 2455-1511 IFSIJ 6.255
- मण्डन-मीमांसा ISBN No. 978-93-85539-96-1 2021, by: Dr. Pankaj K. Mishra
- मण्डन-ग्रन्थावली ISBN: 978-93-85539-94-7 2021, by : Dr. Pankaj K. Mishra



### Dr Geetanjali Sethi

- Studying habitability of the exoplanets Kepler-504 b, Kepler-315 b, and Kepler-315 c Sattik Bhaumik, Geetanjali Sethi Journal of Emergent Investigators, Volume 5, 1-6, Nov 2022.

### Dr Akshay Rana

- Strong lensing systems and galaxy cluster observations as probe to the cosmic distance duality relation Authors: R. F. L. Holanda, F. S. Lima, Akshay Rana, Deepak Jain Journal: The European Physical Journal C, 82 (2022) 115. Impact Factor: 4.991  
<https://www.springer.com/journal/10052> Link for publication:  
<https://link.springer.com/article/10.1140/epjc/s10052-022-10040-6>
- A Model-Independent Test of Variability of Type Ia Supernova Luminosity and CDDR Authors: Darshan Kumar, Akshay Rana, Deepak Jain, Shobhit Mahajan, Amitabha Mukherjee Journal: JCAP 01 (2022) 053 Impact Factor 2021: 7.280 Impact\_factor Link: <https://iopscience.iop.org/article/10.1088/1475-7516/2022/01/053>

### Dr Rekha Gupta

- Nonstoichiometric FePt Nanoclusters for Heated Dot Magnetic Recording Media John Rex Mohan, Rohit Medwal, Surbhi Gupta, Kriti Gogia, Joseph Vimal Vas, Rekha Gupta, Angshuman Deka, Rajdeep Singh Rawat, Annapoorni Subramanian, and Yasuhiro Fukuma, ACS Applied Nanomaterials 4,7 (2021) 7079-7085
- Published a book chapter on Computational Tools in Cheminformatics as the First author published in book titled 'Cheminformatics and Bioinformatics in the Pharmaceutical Sciences' by Elsevier books (pg. 105-137)

### Dr. Aditya Pratap Deo

- **Book**  
Kings, Spirits and Memory in Central India: Enchanting the State, Routledge, London (October 2021), New Delhi (February 2022)  
<https://www.routledge.com/Kings-Spirits-and-Memory-in-Central-India-Enchanting-the-State/Deo/p/book/9781032108377>
- **Article**  
Essay, 'D.E.U. Baker (1932-2021): A Life Extraordinaire', South Asia: A Journal of South Asian Studies, March 2022  
<https://www.tandfonline.com/doi/abs/10.1080/00856401.2022.2050550>
- **Dr. Naina Dayal - Reviewer** for the journal *Religions of South Asia*.

## 6. Journals

- Published by the College - None this year
- Number of college teachers serving as Editor(s)/Member(s) of Editorial Board - One - Prof John Varghese serves on the Editorial Board of *The Bede Athaneum*

## 7. Research Projects -



8. Patents Filed/Granted - None this year

9. Seminars Organized:

- Dept of Urdu organised a national Seminar on the topic "Urdu Shayri Mein Ishq Ki Emai Kaifiyat" on 5<sup>th</sup> March 2022 in College.
- The Social Service League hosted a Mental Health workshop, themed on Stress Management in collaboration with IQAC, online via Google meet. The speaker was Dr. Garima Gupta, Psychology specialist from The Hopes Psychiatric Hospital in Faridabad
- The Economics Society of St. Stephen's College hosted Dr. Eswaran Somanathan for the Ranjan Ray Memorial Lecture 2022. It was the society's first offline lecture since March 2020. He spoke on the topic "Economics of Climate Change."
- National Economics Festival is the flagship event of The Economics Society and was filled with a wide range of events beginning with the Opening Lecture by Dr. Bradford Delong, NC Ray Paper presentation, La Case De Papel, Keynote lecture by Dr. Raghuram Rajan, Prometheus, Ecozombics and ending with the Closing lecture by Dr. Debraj Ray. The festival caught the attention of 1200+ students across the country and turned out to be a huge success.
- Department of History (with Ajay Dandekar, Kumkum Roy and Sreedeeep Bhattacharya) conducted a seminar titled of 'Romila in Conversation: Many Pasts, Many Futures' (held online in December 2021).

10. Conferences Organized: None in the year under report

11. Seminar/Conference Presentations:

- **Dr. Karen Gabriel** Associate Professor - List of Public Lectures and Conference Presentations:
  - (i) Keynote address: "Love and Desire in Literature", Exploring Love and Desire in Literature, Hansraj College, 9 April 2021.
  - (ii) The Iconography of Bharat Mata and the Politics of Exclusion", Department of English, University of Hyderabad, 7 April 2022.
  - (iii) "Gender and Nation: The Case of Indian commercial fiction in English", Modernisms and Sexualities, Symposium on Indian Writing in English Online [IWE Online], the Institute of Eminence project, University of Hyderabad, 8 April 2022.
  - (iv) Panel on "Sexual Dissidence", Modernisms and Sexualities, Symposium on Indian Writing in English Online [IWE Online], the Institute of Eminence project, University of Hyderabad, 8 April 2022.
  - (v) "Desire and Autonomy in Charlotte Bronte's Novels" Deshbandhu College 21st of April, 2021.
- **Dr. Akshay Rana**, Assistant Professor, was invited for:
  - (i) Resource person and organizer of the Three weeks "e-crash course on Python and Latex" organized by Department of Computer



Science and Center of Theoretical Physics, Department of Physics,  
St. Stephen's College from 11 Dec-31 Dec 2021.  
[https://drive.google.com/file/d/1XMqYPPm1FddL5F-GxT6ipxVIETKBE\\_S\\_/view](https://drive.google.com/file/d/1XMqYPPm1FddL5F-GxT6ipxVIETKBE_S_/view)

- **Dr. Rakhi Thareja**, Assistant Professor, Department of Chemistry, gave two Invited lectures in SDP organized by Kirori Mal College under DBT, Star College Scheme and Spoken Tutorials, IIT-Bombay on 11 th and 14 th Jan, 2022.
  - (ii) won second prize for oral presentation at an International conference on Recent Trends in Drug Discovery and Development organized by Maitreyi College, University of Delhi on 8th -9th October, 2021.
- **Dr. Sudipto Basu** presented a paper at an international conference on 'Urbanization in Bengal and Beyond' organized by the Department of History, Bankura University, West Bengal, India from the 24<sup>th</sup> to the 27<sup>th</sup> November 2021.
- **Dr. Malay Neerav** Presented paper at an international conference on 'Urbanization in Bengal and Beyond' organized by the Department of History, Bankura University, West Bengal, India from the 24<sup>th</sup> to the 27<sup>th</sup> November 2021. Title of Lecture: "Adapting to the Paradaigm Shift in Teaching-learning Process: The Way Ahead"
- Delivered a Lecture organized by the History Society of Satyawati College. Title of Lecture: 'The paradox of Cricket in India: A colonial hangover as a symbol of unity'
- **Dr. Aditya Pratap Deo** -Bool Talk (Online), History Society, St Stephen's College, Delhi, 13<sup>th</sup> November 2022
- Book Talk (Online), UCLA, Centre for India and South Asia, Los Angeles, 7<sup>th</sup> February 2022
- Book Talk (Online), Understanding Culture, History and Society Series, Delhi, 16<sup>th</sup> February 2022
- Book Talk (Online), Krea University Lecture Series, Social Studies, Chennai, 15<sup>th</sup> Mar 2022
- Bool Talk (Online), SOA Colloquium Series, Spring 22, Ashoka University, Sonipat, 7<sup>th</sup> April 2022

#### Paper Presentation

- (i) Violating the Historical Protocol: Tribal People, State and Memory in Central India

**Dr. Naina Dayal**, was invited to chair a paper: 'When a man raises the flag of *dhamma* but conceals his sins: Notes on fake ascetics in the Jātakas'. Paper presented at an international conference ('Of Thieves and *Therīs*, Hunters and Housewives') in honour of Professor Kumkum Roy. Organized by the History Society of Miranda House, University of Delhi on 10 November, 2021.

12. National/International MoUs Signed: 01 (College signed an MoU with the American Institute of Indian Studies, New Delhi (AIIS).





13. Other Inter-Institutional Collaboration- None

14. Students under Exchange Programme:

- Two Bhutanese students admitted in College

15. Placement Details:

- No. of students placed - 90
- Percentage of students who got placed - 20.45%
- No. of companies that visited Campus for placement - 73

16. Extension and Outreach Activities: - *Young Leaders Neighbourhood-First Fellowship* programme supported by the Ministry of External Affairs launched in March 2022.

17. Library Development - provided support to students throughout Covid period.

18. Faculty Strength:

- 55 permanent+ 37 ad-hocs

19. Financial Allocation and Utilization

- As per rules

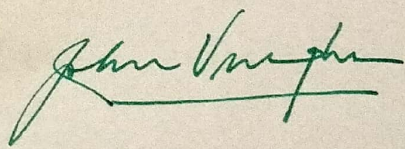
20. Other Significant Information

21. Name and Contact details of Coordinator for Annual Report 2021-22 of College.

Nodal Officer: Dr. Malay Neerav, Dean, Academics

Contact number:

Email id: malayneerav@ststephens.edu



Principal's Signature

Seal of College PRINCIPAL  
ST. STEPHEN'S COLLEGE  
DELHI-110007

