

RC 120/603  
19/10/2020

16

9/4



**RAMJAS COLLEGE**

*file*  
**ANNUAL REPORT**  
**(2019-20)**

**University of Delhi**  
(Delhi-110007)

**THE 97<sup>th</sup> ANNUAL REPORT, RAMJAS COLLEGE**  
**University of Delhi**

1. **Name of the College** Ramjas College

2. **Major Activities and Achievements:** Ramjas College, with an admirable legacy, has become one of the centers of excellence in India. Ever since its inception in 1917, the college is committed to impart best quality education to the students regardless of their socio-economic background. The teachers have been playing a pivotal role in the overall development of students including values based education towards gender equality, social responsibilities as well as professional ethics. Eventually, students and teachers have made remarkable contribution in different fields. The students have made us proud not only by bringing laurels in studies but also in sports and extra-curricular activities. In the academic year, 2019-2020, a series of talks, conferences, workshops and seminars were held by different departments imparting knowledge to thousands of students and teachers from diverse fields, despite the Covid-19 pandemic towards the end.

3. **Honours/Distinctions**

- **Dr. Suresh Kumar** from Department of Botany received the Outstanding Educationist Award in 2019 at the 4<sup>th</sup> International Conference on 'Innovative Approaches in Applied Sciences and Technologies', 25-29 June, 2019 at Mahsa University, Kuala Lumpur, Malaysia.
- **Dr. Hardeep Kaur** from the Department of Zoology received the best oral presentation award for 'Heterocyclic Quinazolinone and Quinazoline Derivatives as Potent Antifungal Agents' at International Conference on Natural Products and Human Health, organized by the Department of Zoology, Deshbandhu College, University of Delhi, February (27-29), 2020.

4. **Students with Distinctions**

**UG Course Toppers (Batch 2016-2019)**

- **Vaibhav Pandey**, B.Sc.(Hons.) Mathematics, CGPA: 9.541
- **Sapna**, B.Sc. (Prog.) Physical Sciences, CGPA: 9.439.
- **Krity Karn**, B.Sc. (Hons.) Zoology, CGPA : 9.385

**PG Course Toppers (Batch 2017-2019)**

- **Gunendra Arya**, M.A. Sanskrit, 86.31%
- **Geetika Bhardwaj**, M.Sc. Statistics, 85.9 %

## 5. Publications :

Total Number of Books: 07

Total Research publications: 40

- i. **Chakravortty, M.** (2019). *Yoga and stress Management*. New Delhi: Friends publication.
- ii. **Chaudhry B., Kumar, S., Tikku, A. and Maity, P.J.** (2019). Micropropagation of a Medicinally Important Plant, *Bacopa monnieri*: *Medicinal Plants*, 11(2), 117-122.
- iii. **Deo, V., Chetiya, A.R. and Deka, B.**(2019). Forecasting Transmission Dynamics of Covid-19 in India Under Containment Measures- A time-dependent State-Space SIR Approach: *Statistics and Applications*, 18(1B), 157-180.
- iv. **Dhankar, A.** (2019). *Wellness and Fitness*. New Delhi: Friends Publication.
- v. **Dwivedi, P.** (2019), Recent progress in the sensing techniques for the detection of human thyroid stimulating hormone: *Trends in Analytical Chemistry*, 118, 666-676.
- vi. **Kathuria, A.** (2019). Green Chemistry for Organic Synthesis: *International Journal of Research and Analytical Reviews*, 6, 146-154.
- vii. **Kumar, S.** (2019). *Ethnobotany* Volume 2. New Delhi: Kojo Press. ISBN: 978-81-933805-5-0
- viii. **Neelima and Siska, D.** (2020). Coercivity condition for higher order moments of nonlinear SPDEs and existence of solution under local monotonicity: *Stochastics*, 92(5): 684-715.
- ix. **Pushkarna, N.**(2019). Mid-Truncated Burr XII Distribution and its applications in order statistics: *Statistics, Optimization and Information Computing*, 7: 171-191.
- x. **Singh, A.** (2019). Oxidative Stress: Role and Response of Short Guanine Tracts at Genomic Locations: *International Journal of Molecular Sciences*, 20 (17), 4258-4276.
- xi. **Verma, H.** (2019) *Genetics*. Ayagappa University: Directorate of Distance Education. : Vikas Publishing House Pvt. Ltd.
- xii. **Virender, Sharma, S.K., Singh, G. and Sahu, S.** (2020). On Frames In Finite Dimensional Quaternionic Hilbert Space: *Palestine Journal of Mathematics*, 9(1), 511-522.



## 6. Journals

- **Ramjas Journal of Economics**, (managed by an Editorial Board of students), Department of Economics, Ramjas College, University of Delhi.

## 7. Research Projects :

- **DBT Star College Project** : Co-ordinator Dr. Sukanya Lal  
**Funding Agency: Department of Biotechnology, Government of India.**  
**Amount Sanctioned: Rs. 46 Lakhs**
- **DBT Project Title: Remediation and Reclamation of Hexachlorocyclohexane (HCH) dumpsite by using Microbial Bioremediation Technology.**  
**Principal Investigator: Dr. Charu Dogra Rawat, Co-PI: Dr. Sukanya Lal**  
**Funding Agency: Department of Biotechnology, Government of India.**  
**Amount sanctioned: (Rs. 10,43,168)**

8. **Patents Filed/Granted: None**

## 9. Seminars Organized:

- Prof. Raj Kumar**, Director, Vallabhai Patel Chest Institute, University of Delhi, delivered a talk on **Air pollution and Human Health** on October 18, 2019. Organized by Department of Botany.
- Seminar on " The political economy of corruption: towards a new common sense" by **Prof. Firoz Khan** on Aug 19, 2020.
- Professor Anuradha Chowdhary**, Department of Mycology, Vallabhai Patel Chest Institute, University of Delhi, delivered talk on '**Fungal Human Pathogens**' on 02 September, 2019, organized by Department of Zoology.
- 4<sup>th</sup> A. K. Ramanujan Lecture** delivered by **Amitav Ghosh**, : The Coming of Storm: Story-telling and the planetary crisis, on January 16, 2020, organized by the Political Science Society in collaboration with the History and English Department .
- Mr. Gautam Majumdar, Senior Consultant, Towers Watson**, Institute and Faculty of Actuaries, U.K., delivered a talk on Career- Building- Busting Actuarial Myths, on 22 January, 2020, organized by Statistics Department.
- A talk by V.Geetha on the topic 'My Himalaya is Here: Coming to Terms with Gandhi' on March 06, 2020 by History Department.
- A Panel Discussion on Gender and Inequality** by Professor Jayati Ghosh (Professor, CESP, JNU) and Marry E John (Senior Fellow, Centre for Women Development Study) on Feb 06, 2020, Economics Department.

- viii. **Dr. Ashok Lahiri, member 15<sup>th</sup> Finance Commission of India**, delivered a talk on A Seminar on Economic Slowdown in India, Feb 21, 2020, Economics Department.
- ix. **Prof. R.K. Sharma, IIT, Delhi** delivered a talk on '**Applications of Cryptography**' on February 20, 2020. Organized by Physical Sciences Society.
- x. **Dr. Preeti Kapur, Associate Professor, Department of Psychology**, Daulat Ram College, delivered talk on The trio: Technology, Society and Millenia, on 22 February, 2020. Organized by Department of Zoology.
- xi. **Dr. Tejal Kothari ( Psychiatrist ), G.B. Pant Hospital, Delhi** delivered a talk on **Mental Health Awareness among the Youth**, on February 17, 2020, organized by Department of Mathematics.

#### 10. Conferences Organized

- **Workshop on Creating Awareness on Intellectual Property** ( with CII and IPO), organized by the Department of Botany on September 04, 2019.
- **National Seminar on Recent Trends of Research in Medicinal Botany**, organized by the Department of Botany, October 4-5, 2019.

#### 11. Seminar/Conference Presentations

- i. Dr. Ruchika Verma (Department of Mathematics) delivered a talk on K Operator Frames at Mexican- Indian Research Seminar, Mexico City, Mexico on July 04, 2019.
- ii. Dr. Charu Dogra Rawat (Department of Zoology) delivered an **Invited Talks** on 'Live Video Lecturing- Opportunities and challenges' and Tools for E- content development' National Faculty Development Program on MOOCS and E- content Development, Delhi, on July 15, 2019.
- iii. Dr. Ruchika Verma (Department of Mathematics), delivered a talk on Block Operator Frames in the Sixth International Conference on Mathematics and its Applications (6CIMA) held on September 2-6, 2019 at the School of Physics and Mathematics of BUAP, Mexico.
- iv. Dr. Suresh Kumar (Department of Botany) delivered an **Invited talk** on Ethnobotany- A tool for Drug Discovery, at ASEAN-India Training Workshop, CSIR- IGIB, New Delhi, India( September 20-28, 2019).
- v. Dr. Mayanglambam Ojit Kumar Singh (Department of Zoology) delivered a talk on Ozone and Pollinators: A view from sustainability examining Fundamental Issues, on September 16, 2019. World Ozone Day Celebration at Hansraj College, University of Delhi.
- vi. Invited Talk by Dr. Hemant Rajor (Department of Chemistry) on Ruthenium complexes as water oxidation catalysts'. National Symposium on Biophysics (BIOPHYSIK A-2019), October 04, 2019, Jamia Milia Islamia, New Delhi.



- vii. Dr. Poonam Dwivedi presented (oral) 'Catalytic Degradation of Azo Dyes using Silver Nanoparticles synthesized by green methods' at National Conference on Emerging Trends and Future Challenges in Chemical Sciences (ETFC-2020), Kirori Mal College, University of Delhi, 10-11 January, 2020.
- viii. Dr. Vishal Deo presented (oral) Evaluating Quality Adjusted life years using proxy utility function and joint modeling of longitudinal and Weibull accelerated failure time models, IISA Conference, IIT Bombay, 27-30 December, 2019.
- ix. Invited talk, Dr. Charu Dogra Rawat, on *Tessaracoccus flavus* a potential polyphosphate accumulating organism at Southeast Asian Regional Symposium on Microbial Ecology (SARSME-2020), Pokhara, Nepal, on February 14, 2020.
- x. Dr. Anuradha R Chetiya and Dr. Vishal Deo were invited as Resource persons for Statistical Analysis in the Workshop entitled 'Rashtriya Avishkar Saptah-2019' organized by the Department of Education in Science and Mathematics', NIE, NCERT, from January 09-11, 2020.

12. **National/International MoUs Signed:**

13. **Other Inter-Institutional Collaboration:**

- **Dr. Charu Dogra Rawat from Department of Zoology**, participated in China Innovation tour for Indian Young Scientists, to interact with scientists/ scholars of Chinese Universities for development/ strengthening of Science and Technology relationship between India and China (September 22-29, 2019).

14. **Students under Exchange Programme:**

15. **Placement Details:**

- Number of students placed : **94 (an increase of 118 percent over 2018-19)**
- Number of Companies visited for campus recruitment : **41**

16. **Extension and Outreach Activities:**

17. **Library Development: 1995 books** were added to the Library collection.

The library also subscribed **160809 e-books** from NLIST and **6293 e-journals**.

18. **Faculty Strength**

Permanent Faculty: 90, Temporary Faculty: 01, Ad-hoc Faculty: 133

19. **Financial Allocation and Utilization**


(a) Grant sanctioned in Rs. : Rs. 80 crores( Approx.)

(b) Utilized in Rs. : Rs. 71 crores ( Approx.) Subject to Audit

20. **Other Significant Information:**

- A Ph.D. student of Dr. Narinder Pushkarna, Shekhar Sehgal (nee Shikha Khanna) has submitted her PhD thesis (with co-supervisor Prof. Jagdish Saran), entitled ‘Some contributions to Moments of Ordered Statistics and Associated Inference’.

21. **Name and Contact details of Coordinator for Annual Report 2019-20 of College.** Dr. Bharti Chaudhry, Dr. Pawan Kumar

  
Principal's Signature  
Seal of College  
Principal  
Ramjas College  
University of Delhi  
Delhi-110007 