

## Curriculum Vitae

### DR. ANIL BARAK

**Office address:** Department of Polymer Science, Bhaskaracharya College of Applied Sciences (University of Delhi), Delhi-110075

**Residence address:** House No. - 12 & 13, Ground Floor, Pocket-05, Sector-25, Rohini, Delhi-110085

**Email:** anil.barak@bcas.du.ac.in

**Contact Number:** +91-7982884963, +91-9911770744

**Institution:** Bhaskaracharya College of Applied Sciences (University of Delhi), Delhi-75



### Academic Qualifications

- **Ph.D. (2008-12) :- Dept. of Chemistry, University of Delhi, Delhi**
- **M.Sc. (2004-06) :- Dept. of Chemistry, University of Delhi, Delhi**
- **B.Sc. (2001-04) :- Kirori Mal College, University of Delhi, Delhi**

### Work Experience

Organization	Designation	Duration
Bhaskaracharya College of Applied Sciences (University of Delhi)	Assistant Professor (Ad- hoc)	July 20, 2015 – Till date
Acharya Narendra Dev College, University of Delhi		21.07.2014 to 18.07.2015
Shyam Lal College (Eve.), University of Delhi		30.07.2013 to 20.07.2014
Acharya Narendra Dev College, University of Delhi		27.07.2012 to 22.11.2012

### Professional Recognition/Award/Prize/Certificate, Fellowship:

- Co-PI in Major Research Project on the topic titled “Development of eco-friendly and sustainable natural dyes from plant extract” funded by Indian Knowledge Systems, Division of MOE @ AICTE
- Best Poster Presentation in the National Conference on Relationship between Chemical Sciences and Society (RCSS-2020) organized by Department of Chemistry, Shivaji College
- First prize in the poster presentation in National Conference on Frontier Areas in Chemistry (NCFAC-2011) organized by Department of Chemistry, Pondicherry University, Puducherry.
- Life member of Green Chemistry Network Center (GCNC) Advancing Green Chemistry; Membership No. 0304/16/230.
- Member of Indian Association of Solid State Chemists and Allied Scientists (ISCAS).
- Life member of Indian Society of Analytical Scientists, Delhi Chapter.
- Member of Indian Science Congress.

### Peer Reviewed Publications

1. **Barak A.**, Kumari M., Vanita, Mishra D., Giri, N. G., Shukla, S. K., “Thermo-catalytic conversion of waste polyethylene bags into value added products” Indian Journal of Chemical Technology (IJCT); Jan. 2019, 26, 95-99
2. **Barak A.**, Goel Y., Kumar R., Shukla S. K., “Removal of methyl orange over TiO<sub>2</sub>/polyacrylamide hydrogel”, Materials Today: Proceedings 12 (2019) 529–535
3. **Barak A.**, Gangwar V. D., Shukla S. K., “Development and Characterization of Polyvinyl Chloride-Graphite Membrane” Indian Journal of Chemical Technology (IJCT); 2018, 25(2), 196-200.
4. **Barak A.**, Das P. J., Vashisht H., Kumar S., “Synthesis, Characterization of Telechelic Bromine Terminated Poly(ethylene oxide) and its inhibition effect on mild steel corrosion in sulfuric acid” Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2014, 5 (1), 931.
5. **Barak A.**, Das P. J., Vashisht H., Kumar S., “Synthesis, Characterization of watersoluble PS-b-PEO-b-PS Tri-block copolymers and its corrosion inhibition Behaviour on mild steel in acidic solution” International Journal of Scientific and Research Publications, 2014, 4 (1), 1.
6. **Barak A.**, Das P. J., Vashisht H., Yadav O. S., Sharma V., Kumar S., “The Inhibition of corrosion of mild steel in 0.5 M sulfuric acid solution in the presence of telechelic bromine terminated poly (ethylene oxide)”, Research Journal of Pharmaceutical, Biological and Chemical Sciences; 2014, 5(3), 493.
7. Das P. J., **Barak A.**, Kawakami Y., Kannan T., “Synthesis and characterization of ABA-type amphiphilic triblock Copolymers Through anionic polymerization using end functionalized poly (ethylene oxide) Oligomers”, Journal of Polymer Science: Part A: Polymer Chemistry, 2011, Vol. 49, 1376–1386.

**Presentation / Workshop:**

1. Poster Presentation in the two days National Conference on “Clean & Green Energy: The Chemical & Environmental Aspects” organized by Department of Chemistry, BCAS on 26-27<sup>th</sup> September, 2019.
2. Attended National Conference on Recent Trends and Advancements in Chemical Sciences at Conference Centre, University of Delhi on 29-31 march, 2019.
3. Poster presentation on “Simultaneous Extraction of Nano Size Cellulose and Silica From The Rice Husk” in National Seminar on “New Trends in Nanotechnology and Applications” NTNA-2018 at Atma Ram Sanatan Dharma College, University of Delhi on September 27-28, 2018.
4. Attended National Conference on Materials and Devices (NCMD-2018) held from July 31<sup>st</sup> – August 1<sup>st</sup>, 2018 at Sharda University, Greater Noida.
5. Presented poster in the International Conference on Science and Engineering of Materials (ICSEM 2018) held on January 06-08, 2018, organised by school of basic sciences and research, Sharda University, Greater Noida.
6. Kunal Kant, Mukul Kumar Singh, Anil Barak and S.K.Shukla, poster presented on “Synthesis and characterization of Transition metal doped polyaniline based catalysts” in 2<sup>nd</sup> National Conference on Functional Materials: State of Art (NCFM-2017) organized by School of Basic Sciences and Research, Sharda University, Greater Noida on 31<sup>st</sup> March–1<sup>st</sup> April, 2017.
7. Sandeep Kumar, Anil Barak and S.K. Shukla, oral presentation on “Thermo-catalytic degradation, characterization of waste PE and its application” in 2<sup>nd</sup> National Conference on Functional Materials: State of Art (NCFM-2017) organized by School of Basic Sciences and Research, Sharda University, Greater Noida on 31<sup>st</sup> March–1<sup>st</sup> April, 2017.
8. Yash Goel, Anil Barak and S. K. Shukla presented poster entitled, “Synthesis and characterization of polyacrylamide based hydrogel for dyes removal” 10<sup>th</sup> National Conference on Solid State Chemistry and Allied Areas, July 1-3, 2017, Delhi Technological University, Delhi.
9. Presented poster in the two-day national conference on “Clean & Green Energy: The chemical & Environmental Aspects” held on 16-17<sup>th</sup> February, 2017 organized by Department of Chemistry, BCAS, University of Delhi, Delhi.
10. Poster presented on “Development and Characterization of Graphite-Based polymer composite Membrane” in National Seminar on Recent Innovations in Chemical Science and Environment Technology at Sri Aurobindo College on 3<sup>rd</sup> - 4<sup>th</sup> March 2017.
11. Oral Presentation in 2<sup>nd</sup> National Conference on Functional Materials: State of Art (NCFM-2017) organized by School of Basic Sciences and Research, Sharda University, Greater Noida on 31 March–1 April, 2017.
12. Poster presented on “Synthesis and characterization of Transition metal doped polyaniline based catalysts” in 2<sup>nd</sup> National Conference on Functional Materials: State of Art (NCFM-2017) organized by School of Basic Sciences and Research, Sharda University, Greater Noida on 31 March–1 April, 2017.
13. Poster presentation on “Decontamination of the Polluted Sites using Aromatic Plants: A Green Approach” in International Conference on Green Chemistry in Environmental Sustainability & Chemical Education (ICGC-2016) at Daulat Ram College, University of Delhi on 17-18 Nov.2016.
14. Poster presentation on “Developing Sustainable energy sources by the use of Potential Renewable Energy Resources” in International Conference on Green Chemistry in Environmental Sustainability & Chemical Education (ICGC-2016), at Daulat Ram College, University of Delhi on 17-18 Nov.2016.
15. Participated in Twin Workshop on Advanced Polymeric Materials in workshop-II on 'Characterization of advanced Polymeric materials' held during 2<sup>nd</sup> and 3<sup>rd</sup> march 2016 at IIT Delhi.
16. Presented Poster in The National Conference on Frontier Areas in Chemistry on Dec. 22, 2011 held at Department of Chemistry, Pondicherry university, Puducherry.
17. Presented Poster in the National Seminar on Polymer Science & Technology- Vision & Scenario (Polymer-08) on Dec. 03, 2008 held at Jamia Milia Islamia University, New Delhi.

**Other Activities/Responsibilities: (Academic/Administrative)**

1. Coordinated B.Sc. (Hons.) Polymer Science 2nd Year Students to UFlex Limited Packaging Division, Noida, UP on March 21, 2023.
2. Member of Organizing Committee in Two- Day Tech Fest “Crosslink 2023” organized by Department of Polymer Science, Bhaskaracharya College of Applied Sciences on Feb. 3-4, 2023.
3. Organizing Committee Member in the One Week National Workshop on “Capacity Building for Enhancing Administrative Efficiency for Teaching & Non-teaching Staff of Higher Education Institutes” from January 16-20, 2023.
4. Organizing Committee Member in the 2-Days Workshop on “Research Proposal Writing” organised by IQAC in collaboration with Indian Knowledge Systems Division, MoE from January 4-5, 2023.
5. Coordinated B.Sc. (Hons.) Polymer Science 2nd & 3rd Year Students to ALP Overseas Pvt. Ltd., Neemrana, Rajasthan on November 15, 2022.
6. Coordinated academic visit of B.Sc. (H) polymer Science 3rd year students to Department of Textile and Fibre Engineering, IIT Delhi on April 11, 2022.
7. Coordinated industrial visit of B.Sc. (H) polymer Science 2nd and 3rd year students to U-Flex India Limited, Noida, U.P. on March 10, 2022.
8. Visited Gas Authority of India Limited (GAIL) Research & Development Centre at Noida, UP on Feb. 14, 2022 in connection of students’ visit, internships etc.
9. Coordinated visit of B.Sc. (H) polymer Science students in celebrations of National Science Day on February 28, 2020 at Vigyan Bhavan, New Delhi.
10. Coordinated academic visit of B.Sc. (H) polymer Science 3rd year students to the Department of Textile and Fibre Engineering, IIT, Delhi on February 6, 2020.
11. Coordinated Alumni Meet for Department of Polymer Science organized on February 4, 2020.
12. Coordinated industrial visit of second and third year students to ‘5th International Footwear Fair 2019’ on September 25, 2019 held at Pragati Maidan, New Delhi.
13. Coordinated academic visit of B.Sc. (H) polymer Science 3rd year students to Department of Textile Technology, IIT Delhi on March 06, 2019.
14. Coordinated industrial visit of Plastvision India 2020 at Hotel Radisson Blu, Kasna Rd, Greater Noida, UP with students of B.Sc. (H) polymer Science 3rd year on 2nd march, 2019.
15. Coordinated industrial visit of second year B. Sc. (Hons.) Polymer Science students to Nidhi Enterprises (recycling plant), Bawana, Delhi on February 21, 2019.

16. Coordinated industrial visit of B.Sc. (H) Polymer Science 2nd year students to “Tool Room & Training Centre” on February 14, 2019.
17. Member, Editorial Team of the Departmental magazine “Bahulak” vol 1, 2017-18.
18. Coordinated academic visit to University Science Instrumentation Centre (USIC) Visit Sept. 06, 2018.
19. Coordinated industrial visit of polymer students of B.Sc. (H) Polymer Science 2nd year to “Tool Room & Training Centre” on February 13, 2018.
20. Coordinated industrial visit of polymer science 2nd and 3rd year students to Indiapack Pacprocess at Pragati Maiden on 28th Oct. 2017.
21. Coordinated academic visit to University Science Instrumentation Centre (USIC) Visit Oct. 18, 2017.
22. Coordinated industrial visit of polymer science 2nd year students to Relaxo (Bahadurgarh, Haryana) on September 9, 2017.
23. Coordinated industrial visit of polymer science 2nd year students to “Tool Room & Training Centre” on 24th march 2017.
24. Coordinated academic visit for Department of polymer science students to Federation House (FICCI), New Delhi in National Conference on Sustainable Infrastructure with Plastics on February 23, 2017.
25. Member of Organizing committee in the national conference on "Clean & Green Energy: The Chemical & Environmental Aspects" held on Feb. 16- 17, 2017 at BCAS, Dwarka.
26. Coordinated B.Sc (H) 3rd Year students visit to Nidhi Enterprises at Bawana on January 11, 2017.
27. Coordinated students visit to the launch meet of Plastivision-2017, organized by All India Plastics Manufacturing Association (AIPMA) on December 17, 2016 at Mayur Vihar, Delhi.
28. Coordinated students visit to the launch meet of Plastivision-17, organized by All India Plastics Manufacturing Association (AIPMA) on September 29, 2016 at Leela palace, Gurgaon.
29. Co-ordinated and Organized the National Workshop on “Intellectual Property Rights: Culmination of Research” held at BCAS, on Sept 23-24, 2016.
30. Coordinated a visit of B.Sc. (H) Polymer Science students to University Science Instrumentation Centre, University of Delhi on September 16, 2016.
31. Member of organizing committee of one day seminar on “Career Opportunities for Polymer Engineers” held at BCAS on Aug 12, 2016.
32. Coordinated a visit to International Trade Show & Conference on Plastics, Petrochemicals, Printing and Packaging, April 8, 2016 at India expo mart, Greater Noida, Delhi.
33. Co-ordinated the students for visit to Tool Room & Training Centre on 9th Feb., 2016 at Wazirpur industrial area, wazirpur, New Delhi.
34. Member of the organizing committee of the one-day seminar on “Polymer Modification, Processing and Characterization” organized by “PEARLS”, Departmental Society of Polymer Science held on January 25, 2016 at Bhaskaracharya College of Applied Sciences.
35. Co-ordinated the students visit to the V.K.Memorial Lecture on 'Development of Barrier Films in India' organized by Indian Plastics Institute, Delhi Chapter at India International Centre New Delhi on October 16, 2015.
36. Resource person in the special orientation programme for the Foundation Course in Science and Life of the Four Year Undergraduate Programme held on 19 August, 2013 at the University of Delhi, South Campus.
37. Member of various club/cell/committees in colleges.
38. Experience of paper setting at graduation level

**Dr. Anil Barak**

