1. Name Dr Arun Sethi

2. Designation **Professor**

3. Date of Birth 30th May, 1960

4. Father’s Name Late Shri P.N.Sethi

5. Postal Address Chemistry Department

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Qualification Details

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Qualification | Name of University | Passing Year |
| 1. | B.Sc | Lucknow University | 1981 |
| 2. | M.Sc | Lucknow University | 1983 |
| 3. | Ph.D | Lucknow University | 1988 |

Position Held

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Employer | Designation | Employment Period | |
| Date from | Date to |
| 1. | Lucknow University | Assistant Professor | 20/05/1988 | 26/07/1998 |
| 2. | Lucknow University | Associate Professor | 27/07/1998 | 26/07/2006 |
| 3. | Lucknow University | Professor | 27/7/2006 |  |

Academic Details

Recent Publications during last five years

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Title | Journal | Volume/Pg | Year |
| 1. | One pot Synthesis of novel pregnane-sulphur prodrugs, spectroscopic investigation, conformational analysis, chemical reactivity, Fukui function and their mathematical model" Arun Sethi, Ranvijay. P.Singh, Rachna Pathak, Dolly Shukla, Amandeep, Priyanka Yadav | J. Mol Structure | 1201, Article 127136 | 2020 |
| 2. | Synthesis of novel steroids using Mizoroki-Heck reaction, their spectroscopic analysis, anticancer activityagainst cervical cancer and DFT studies. Arun Sethi, P.Singh, N.Yadav, R.Prakash, R.P.Singh | J. Mol Structure | 1204, Article 127512 | 2020 |
| 3. | Greener approach for synthesis of novel steroidal prodrugs using ionic liquid, their DFT study and apoptosis activity in prostate cancer cell line. Journal of molecular structure. Arun Sethi, Praveer Singh, Neera Yadav, Priyanka Yadav, Monisha Banerjee, Ranvijay Pratap Singh. | J. Mol Structure | 1180, 733-740 | 2019 |
| 4. | Synthesis and Evaluation of Some Novel Pregnane Derivatives as Anti-Hyperlipidemic and Anti-Oxidant Agents. Letters in Organic Chemistry. Arun [Sethi;](https://www.ingentaconnect.com/search;jsessionid=ouzd43xftljz.x-ic-live-03?option2=author&value2=Sethi,+Arun)  [Bhatia, Akriti](https://www.ingentaconnect.com/search;jsessionid=ouzd43xftljz.x-ic-live-03?option2=author&value2=Bhatia,+Akriti); [Singh, Ranvijay P.](https://www.ingentaconnect.com/search;jsessionid=ouzd43xftljz.x-ic-live-03?option2=author&value2=Singh,+Ranvijay+P.); [Srivastava, Atul](https://www.ingentaconnect.com/search;jsessionid=ouzd43xftljz.x-ic-live-03?option2=author&value2=Srivastava,+Atul" \o "Search for articles by this author). | Letters in Organic Chemistry. | 16, 40-49 | 2019 |
| 5. | Trichoderma elicitors create a potential chemical barrier through induced systemic resistance against Colletotrichum falcatum and minimize sucrose losses in sugarcane. Journal of Plant Pathology. Pushpa Singh, Nidhi Tripathi, Deeksha Joshi, Ashwini Dutt Pathak, Arun Sethi.100 (2), 151-162, 2018. | Journal of Plant Pathology. | 100 (2), 151-162 | 2018 |
| 6. | Synthesis, spectroscopic analysis (FT-IR, UV and NMR) and DFT analysis of novel prodrugs of pregnane, their apoptotic activity in cervical cancer cell lines. Journal of Molecular structure. Arun Sethi , Ranvijay Pratap Singh, Neera Yadav , Monisha Banerjee 1166, 54-62, 2018. | J. Mol Structure | 1166, 54-62 | 2018 |
| 7. | Synthesis of novel steroidal-naproxen prodrugs, their molecular docking and theoretical studies by quantum chemical calculations. Arun Sethi , Akriti Bhatia , Ranvijay Pratap Singh , Shipra Gupta | Chemistry & Biology Interface | . 8, 1, 45-55 | 2018 |
| 8. | Facile synthesis of corticosteroids prodrugs from isolated hydrocortisone acetate and their quantum chemical calculations. Arun Sethi, Ranvijay Pratap Singh , Rohit Prakash , Amandeep . | J. Mol Structure | 1130, 860-866. | 2017 |
| 9. | Synthesis of novel pregnane-diosgenin prodrugs via Ring A and Ring A connection: A combined experimental and theoretical studies. Arun Sethi, Ranvijay Pratap Singh, Dolly Shukla, Praveer Singh. | J. Mol Structure | 1125, 616 -623 | 2016 |
| 10. | One pot synthesis of Curcumin-NSAIDs prodrug, spectroscopic characterization, conformational analysis, chemical reactivity, intramolecular interactions and first order hyperpolarizability by DFT method. Sangeeta Srivastava, Preeti Gupta, Ranvijay Pratap Singh, Arun Sethi**.** | J. Mol Structure | 1117, 173-180. | 2016 |
| 11. | Expedient synthesis of novel pregnane-NSAIDs prodrugs, XRD,stereochemistry of their C-20 derivatives by circular dichroism,conformational analysis, their DFT and TD-DFT studies. Ranvijay Pratap Singh, Sonia Sharma, Rajni Kant, Amandeep, Praveer Singh,**Arun Sethi,.** | J. Mol Structure | 1105, 423-433. | 2016 |

**Books Published (5):**

(i) The Chemistry of Heterocycles, Nomenclature and Chemistry of 3 to 5 membered heterocycles. 2019. Vishnuji Ram, Arun Sethi, Mahendra Nath, Ramendra Nath. Published by Elsevier, Netherland [ISBN 978-0-08-101033-4]

(ii) The Chemistry of Heterocycles, Chemistry of 6 to 8 membered N, O, S, P and Se heterocycles. 2019. Vishnuji Ram, Arun Sethi, Mahendra Nath, Ramendra Nath. Published by Elsevier, Netherland [ISBN 978-0-22-8192103-8]

(iii) Systematic Experiments in Chemistry. Pg 1-880, 2008. Arun Sethi. Published by New Age International (P) Limited. New Delhi [ISBN: 978-81-224-2136-1]

(iv) Systematic Lab Experiments in Organic Chemistry. Pg 1-907. 2010. Arun Sethi. Published by New Age International (P)Limited. [ISBN: 978-81-224-2828-5]

(v) Conceptual Organic Chemistry Volume 1, pg 1-633.2012. Arun Sethi Published by New Age International (P)Limited. [ISBN: 978-81-224-3178-0]