# CURRICULUM VITAE

**Dr. Jai Prakash Gautam**

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- **Academic Profile**

| Examination | Board/ University | Year |
|---|---|---|
| Ph. D Awarded | Department of Geology, Institute of Science, Banaras Hindu University, Varanasi | 2021 |
| M. Sc. | Department of Geology, Institute of Science, Banaras Hindu University, Varanasi | 2010 |
| B.Sc. (Hons) Geology | Institute of Science, Banaras Hindu University, Varanasi | 2007 |
| XIIth | U. P. Board | 2001 |
| Xth | U. P. Board | 1999 |

- **Awards/fellowship**
- Post of Project Fellow under UGC - CAS programme, Department of Geology, B.H.U. Varanasi from 26. 04. 2012 to 27. 03. 2014.
- Graduate Aptitude Test in Engineering (GATE) 2014 Qualified.
- Ph. D, Research Scholar in Department of Geology, B.H.U. from 28. 04. 2014 to 16.10. 2020.
- UGC - BSR Research Fellowship in science from 30/12/2015 to 30/03/2016.
- Rajiv Gandhi National Fellowship from 01/04/2016 to 16.10.2020.

- **Industrial Training**

**1. Organization:** ONGC, Dehradun. Summer Training Programme-2009 during 1st June to 30th June at KDMIPE, ONGC, Dehradun.

**2. Organization:** Oil India Limited, Duliajan, Assam. Industrial Training Programme from 29th March 2010 to 13th April 2010.

- **Computer Skills**

Operating System, MS Windows 98, 2007, XP and Coral.

- **Membership of learned bodies**

Life time membership of Indian Geological Congress.

- Ph. D thesis title is "**Systematic revision and biostratigraphic evaluation of the Cretaceous ammonoids from the Karai Formation, Cauvery Basin, southern India.**

- **Salient Contribution of Ph. D Thesis**
  - The Karai Formation have been expanded by way of differentiation of lithocolumns of the stratigraphic sections into maximum possible beds, detail observation of litho- and biogenic features, description of individual beds and bed by bed collection of ammonoid specimens.
  - Precisely collected identifiable ammonoid specimens have been subjected to comprehensive systematic revision in light of the modern trends of ammonoid systematics. Their biostratigraphic implications have resulted in the formulation of biozones in the Ariyalur Sub-basin of the Cauvery Basin.
  - The systematic revision of ammonoids from the Karai Formation presents the record of 4 superfamilies, 8 families, 11 sub-families, 18 genera, 14 sub-genera and 61 species.
  - 6 genera and 5 subgenera have been recorded for the first time from the Karai Formation of the Ariyalur Sub-basin and these also present their first record from Cretaceous sediments in India. In addition, 2 new species (*Puzosia* (*Puzosia*) *odiyamensis* sp. nov. and *Calycoceras* (*Newboldiceras*) *kunnamensis* sp. nov.) have also been recorded respectively from Odiyam and Kunnam sections of the Karai Formation.
  - The taxon ranges of all the described ammonoid species have been plotted against the measured lithocolumns for the first time in the Cauvery Basin which lead to the formulation of a high resolution biostratigraphic framework of zones and subzones.

- The present ammonoid biostratigraphic framework includes **five zones** and **nine subzones** in the Albian succession and **six zones** in the Cenomanian sedimentary record of the Karai Formation.
- The formulated ammonoid zones/subzones have been found well correlatable with globally accepted the standard ammonoid zones/subzones and also with earlier established biozones in the Cauvery Basin on the basis of the presence of common ammonoid fauna recorded under present work.
- The significant contribution of the present biostratigraphic study envisages for the first time differentiation and record of Lower Albian, Middle Albian and lower part of Upper Albian succession.
- The Karai Formation of the Ariyalur Sub-basin of the Cauvery Basin has been accurately assigned **late Early Albian - Cenomanian** age in light of the findings of the present ammonoid study
- The effort has also been made to achieve litho- and biostratigraphic correspondence among the studied sections of the Karai Formation under present work.

- **List of publications**

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|---|---|---|---|
| **1.** | Pandey, B., **Gautam*, J. P.,** Jaitly, A. K., and Tiwari, D. N. | 2021 | Record of the Middle Albian (Lower Cretaceous) ammonoids from the Cauvery Basin, southern India. Historical Biology, DOI: 10.1080/08912963.2021.1954636 ***Corresponding author.** |
| **2.** | Pandey, B., Jaitly, A. K., **Gautam*, J. P.** and Tiwari, D. N. | 2021 | Ammonoid biozonation in the Lower Albian (Lower Cretaceous) succession of the Ariyalur Sub-Basin, Cauvery Basin, south India. Journal of the Palaeontological Society of India, Vol. 66 (2), p. 182-189. ***Corresponding author.** |
| **3.** | Jaitly, A. K., Pandey, B., Mishra, S. K., Tiwari, D. N. and **Gautam, J. P.** | 2021 | Microfacies analysis and depositional environments of the upper Cretaceous (Campanian - Maastrichtian) succession in the Cauvery Basin, southern India. Journal of the Palaeontological Society of India, Vol. 66 (2), p. 235-250. |
| **4.** | Jaitly, A. K., Kumar, S., Pandey, B., **Gautam, J. P.** and Tiwari, D. N. | 2021 | Turonian (Late Cretaceous) heterodont subfamilies: Lucininae, Eriphylinae and Opinae (Bivalvia: Veneroida) from the Narmada Basin, central India. Journal of the Palaeontological Society of India, Vol. 66 (2), p. 336-345. |
| **5.** | **Gautam, J. P.**, Pandey, B., | 2019 | Late Albian ammonites from the Cauvery |

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| | Jaitly, A. K., Pathak, D. B., Lehmann, J. and Tiwari, D. N. | | Basin, south India. Cretaceous Research, Vol. 102, p. 12-29 |
| **6.** | **Gautam, J. P.**, Pandey, B., Jaitly, A. K., Pathak, D. B., Kumar, S. and Tiwari, D. N. | 2019 | Early Albian ammonites from the Karai Formation, Cauvery Basin, south India. Journal Earth Science India, Vol. 12(1), p. 53-70. |
| **7.** | Kumar S., Jaitly A. K., Pandey B., Pathak D. B. and **Gautam J. P.** | 2018 | Turonian (Late Cretaceous) limids (bivalve) from the Bagh Group, central India. Journal of the Palaeontological Society of India, Vol. 63 (1), p. 91-100. |
| **8.** | Kumar S., Pathak D. B., Pandey B., Jaitly A. K., and **Gautam J. P.** | 2018 | The age of the Nodular Limestone Formation (Late Cretaceous), Narmada Basin, central India. Journal of Earth System Science, Vol. 127 (8) p. (109) 1-7. |
| **9.** | **Gautam J. P.**, Pandey B., Pathak D. B. and Jaitly A. K. | 2015 | Recognition of the Early Albian *Douvilleiceras mammillatum* Zone in the Cauvery Basin, SE India. Journal Earth Science India, Vol. 8 (IV), p. 100 - 111. |

- **Abstracts**

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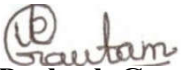
| **1.** | **Gautam, J. P.,** Pandey B., Jaitly A. K., Pathak D. B., and Kumar S. | 2017 | Albian ammonites from the Karai Formation, Cauvery Basin, Tamil Nadu, **National Seminar on Deccan Volcanism and Biotic Events across the K/T boundary**, Oct. 2017 p. 80. |
| **2** | **Gautam, J. P.** | 2016 | Enlargement of stratigraphic record of the Karai Formation (Uttattur Group), Cauvery Basin, South India. **33rd Convention of Indian Association of Sedimentologists with emphasis on Energy resources & climate change**, Nov. 2016, p. 100-101. |



**(Jai Prakash Gautam)**