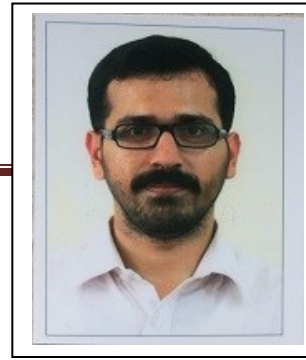


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Curriculum Vitae

Summary

Dr. Jeevan Joseph completed his B.Tech in Civil engineering from *Mahatma Gandhi University Kerala* and further, he pursued his Masters in Geotechnical Engineering from *NIT, Suratkal*. He joined *IIT Bombay* to pursue his research interest in the field of Energy Geotechnics and got awarded with the Ph. D degree in 2017. From his work, he could publish more than half a dozen international journals and couple of patents to his title. He has received research grants from ONGC for developing methodologies and instrumentation for simulating insitu conditions of gas hydrate bearing sediments. He was a visiting researcher in UPC, Barcelona from the European Commission, via the Marie Curie IRES project GREAT, ‘Geotechnical and Geological Responses to Climate Change. During this tenure, he worked on the NAGRA’S R&D program “**Gas Transport in MX-80 Bentonite**”, the Swiss funded project. He has also delivered talk for Kyoto University, Japan on the topic, ‘**Implication of pore characteristics in unsaturated soil Mechanics**’. Currently he is working as Asst. Professor in the department of Civil Engineering at NIT Trichy.

1. Name: **Jeevan Joseph**
2. Designation: **Asst. Professor**
3. Office Address: **Room No:18**

**Civil Engineering Dept
NIT Trichy**

4. Telephone (Direct) (Optional):

Telephone : Extn(Optional):

Mobile (Optional):

5. Email (Primary): jeevan@nitt.edu

Email (Secondary) :
jeevjsph@gmail.com

6. Field(s) of Specialization: Geotechnical Engineering

7. Employment Profile

| Job Title | Employer | From | To |
|-----------------|---|---------|---------|
| Asst. Professor | Saintgits College of Engineering, Kottayam, Kerala | 07/2011 | 12/2013 |

8. Academic Qualifications (From Highest Degree to High School):

| Examination | Board / University | Year | Division/ Grade | Subjects |
|-------------|--------------------|------|-----------------|-------------------|
| Ph.D | IIT | 2017 | Distinction | Offshore Energy & |

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| | | | | |
|---------|---------------------------------|------|-------------|-----------------------------|
| | Bombay | | | Geotechnics |
| M. Tech | NITK Suratkal | 2011 | Distinction | Geotechnical Engineering |
| B.Tech | Mahatma Gandhi University | 2008 | First Class | Civil Engineering |

9. Academic/Administrative Responsibilities within the University

| Position | Faculty/Department/Centre/Institution | From | To |
|----------|---------------------------------------|------|----|
|----------|---------------------------------------|------|----|

10. Academic/Administrative Responsibilities outside the University

| Position | Institution | From | To |
|----------|-------------|------|----|
|----------|-------------|------|----|

11. Awards, Associateships etc.

| Year of Award | Name of the Award | Awarding Organization |
|---------------|-------------------|-----------------------|
|---------------|-------------------|-----------------------|

12. Fellowships

| Year of Award | Name of the Fellowship | Awarding Organization | From (Month/Year) | To (Month/Year) |
|---------------|------------------------|-----------------------|-------------------|-----------------|
| 2014 | Research Grant | ONGC | January/2014 | January/2017 |

13. Details of Academic Work

(i) Curriculum Development

Introduced new subject, "Advanced Geoenvironmental Characterization Techniques" for the Civil Engineering Master's program, Environmental Engineering, 2018.

(ii) Courses taught at Postgraduate and Undergraduate levels

Undergraduate Studies

- Geotechnical Engineering
- Engineering mechanics
- Mechanics of solids
- Environmental Engineering

Postgraduate Studies

- Foundation Analysis and Design
- Ground Improvement Techniques

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(iii) Projects guided at Postgraduate level

- ✓ The effect of varying gradation in sand drains, in the consolidation behavior of clayey soil.
- ✓ Assessment of the behavioral alterations in paper sludge augmented soils.
- ✓ Study on the effect of recycled gypsum in shear strength parameter of soils.
- ✓ Influence of strain rate and particle size gradation on strength characteristics of soil.

(iv) Other contribution(s)

14. Details of Major R&D Projects

15. Number of PhDs guided

| Name of the PhD Scholar | Title of PhD Thesis | Role(Supervisor/ Co-Supervisor) | Year of Award |
|-------------------------|---|---------------------------------|---------------|
| Geeta Rani | Behavioral study on soils undergoing freeze-thaw cycles | Supervisor | ongoing |

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

18. Invited Talks delivered

| Topic | Date | Inviting Organization |
|---|---------------|---|
| Implication of pore characteristics in unsaturated soil Mechanics | January, 2016 | Indo-Japanese Research Collaboration, Kyoto University, Japan |

19. Membership of Learned Societies

| Type of Membership (Ordinary Member/ Honorary Member / Life Member) | Organization | Membership No. with date |
|--|--------------|--------------------------|
| | | |

20. Academic Foreign Visits

| Country | Duration of Visit | Programme |
|----------------|------------------------|---------------------------------|
| UPC, Barcelona | October-November, 2015 | Marie Curie IRES project, GREAT |

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21. Publications

(A) Refereed Research Journals:

| Author(s) | Title of Paper | Journal | Volume (No.) | Page numbers | Year | Impact Factor of the Journal (Optional) |
|---|--|--|--------------------|--------------|------|---|
| Joseph, J., D. N. Singh, P. Kumar, S. K. Dewri, C. Tandi & J. Singh | State-of-the-Art of Gas Hydrates and Relative Permeability of Hydrate Bearing Sediments | Marine Georesources & Geotechnology | Volume 34, Issue 5 | 450-464 | 2016 | 1.207 |
| Joseph J., Sanyam Dangayach, D.N.Singh, P.Kumar, S.K.Dewri, C.Tandi, & JaiSingh | Investigation on excess gas method for synthesis of methane gas hydrates. | Journal of Natural Gas Science and Engineering | 42 | 203-215 | 2017 | 2.718 |
| Kannan K. R. Iyer, Joseph J., Bruna C. F. L. Lopes, D. N. Singh & Alessandro Tarantino | Water retention characteristics of swelling clays in different compaction states | Geomechanics and Geoengineering | Volume 13, Issue 2 | 88-103 | 2018 | 0.87 |
| Iyer, K. K., Joseph, J., Shetty, R., & Singh, D. N. | Some investigations to quantify hysteresis associated with water retention behaviour of fine-grained soils | Geomechanics and Geoengineering | Accepted | | 2018 | 0.87 |
| Joseph, J., Kuntikana G., & Singh D. N. | Investigations on Gas Permeability in Porous Media | Journal of Natural Gas Science and Engineering | Accepted | | 2019 | 2.815 |

(B) Conferences/Workshops/Symposia Proceedings

| Author(s) | Title of Abstract/ Paper | Title of the Proceedings | Page numbers | Conference Theme | Venue | Year |
|---|---|---|--------------|--|-------|------|
| Shashank, B. S., Rakshith, S., Joseph, J., | Flow of Microbial Suspension through Porous | Sustainable Civil Infrastructures: Innovative | 115-122 | In International Congress and Exhibition | UK | 2017 |

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| | | | | | | |
|--|---|---|--|--|---------|------|
| Mohammad, A., & Singh, D. N. | Media. | Infrastructure Geotechnology | | | | |
| Patil, B. S., Agnes, A., Joseph, J. , and Shashank B. S. | Overall challenges in Selection and Implementation of Technology for Treatment of MSW in Indian Climatic Conditions | 5 th Indian Young Geotechnical Engineers Conference, Vadodara | | | Gujarat | 2015 |
| Kannan K. R. Iyer, Joseph, J. , Rakshith Shetty, and D.N. Singh | Importance of suction in contemporary Geotechnical Engineering | 5 th Indian Young Geotechnical Engineers Conference, Vadodara. | | | Gujarat | 2015 |

(C) Books & Monographs

| Author(s) | Title of Book/Monograph | Name of Publishers | Year of Publication | ISSN/ISBN Number |
|-----------|-------------------------|--------------------|---------------------|------------------|
|-----------|-------------------------|--------------------|---------------------|------------------|

(d) Patents

1. **Joseph, J** and Singh, D.N. (2016). Device (*GasCoM*) for Determining Gas Conductivity of Soils. Indian Patent Application No: **201621028073**.
2. **Joseph, J** and Singh, D.N. (2017). *GasCon-TP*: The Device to Determine Gas Conductivity of Soils under varied Temperature and Confining Pressure Conditions. Indian Patent Application No:**201721031020**.