

### 3. Evaluative Report of the Department

1. Name of the Department           **Department of Environment Studies**
2. Year of establishment           **2001**
3. Is the Department part of a School/Faculty of the university? **Yes, Science Faculty**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., ~~Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.~~) : **PG and PhD**
5. Interdisciplinary programmes and departments involved : **PhD is interdisciplinary ( Geography, Geology, Chemistry, Chemical Engineering, Botany Departments are involved)**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Ph.D**
7. Details of programmes discontinued, if any, with reasons: **M.Sc. Solid Waste Management; The course was run under Innovative course grant from UGC and upon completion, it was discontinued.**
8. Examination System: ~~Annual/Semester/Trimester/Choice Based Credit System~~
9. Participation of the department in the courses offered by other departments: **Involved in Imparting teaching for Compulsory Course on environment Education to undergraduate students of the university**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including (CAS &amp; MPS)</b>
Professor	1	0	0
Associate Professors	1	0	0
Asst. Professors	6+1	3+4	
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
H.P. Singh	Ph.D	Assistant Professor	Ecology/ Eco-physiology	8.5	3
Madhuri Rishi	Ph.D	Assistant Professor	Geo-environment	8.5	3
Suman Mor	Ph.D	Assistant Professor	Solid Waste Management	7.5	1
Rajeev Kumar	Ph.D	Assistant Professor	Environmental Chemistry	3.7	0

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **NONE**

13. Percentage of classes taken by temporary faculty – programme-wise information: **N/A**

14. Programme-wise Student Teacher Ratio: **40:4**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: -

**Technical: Sanctioned 2, filled 2**

**Administrative: sanctioned 3; filled 3 (1 Permanent, 2 contractual)**

16. Research thrust areas as recognized by major funding agencies:-

**Ecology, Ecophysiology, Geo-Environment, Solid Waste Management, Environmental Chemistry**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

**H.P. Singh, 2 projects – one from UGC and one from CSIR**

**Suman Mor 2 projects – one from UGC and one from PGIMER, Chd.**

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration : **One**  
 b) International collaboration : --
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: - **None**
20. Research facility / centre with
- state recognition : **Haryana Pollution Control Board.**
  - national recognition : **None**
  - international recognition : **None**
21. Special research laboratories sponsored by / created by industry or corporate bodies : **NONE**
- 22. Publications:**
- \* Number of papers published in peer reviewed journals (national / international) :  
- **53**
  - Monographs : **None**
  - Chapters in Books : **Three**
  - Edited Books : **Two**
  - Books with ISBN with details of publishers :
    1. **Invasive Plant Ecology: (Eds. S. Jose, H.P.Singh, D.R.Batish and R.K.Kohli) CRC Press, Taylor and Francis Pub. USA Catalog no. 4398; 282 pp., ISBN: 978-1-4398-8126-2 (hardback) 2013.**
    2. **Invasive plants and Forest Ecosystems (Eds. Ravinder Kumar Kohli, Shibu Jose, Harminder Pal Singh, Daizy Rani Batish) CRC Press, Taylor and Francis Pub. USA Catalog no. 43374, 456 pp., ISBN: 978-1-4200-4337-2, ISBN 10: 1420043374; 2009.**
  - Number listed in International Database (For *e.g.* Web of Science, Scopus,
    - Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **85**
  - Citation Index – range / average: **0-100**
  - SNIP : **None**
  - SJR : **None**
  - Impact Factor – range / average: - **0.5 to 4.5,**
  - h-index : **27**
23. Details of patents and income generated : **None**
24. Areas of consultancy and income generated : **None**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : **One, H.P. Singh**
26. Faculty serving in
- a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify) :
- Three: Drs H.P. Singh, Madhuri Rishi, Suman Mor**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs,

workshops, training programs and similar programs).

**Participated in Orientation, Refresher and Summer training/school**

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects : - **5%**
- percentage of students doing projects in collaboration with other universities / industry / institute :- **95%**

**29. Awards / recognitions received at the national and international level by**

- Faculty **Six**
- Doctoral / post doctoral fellows **Two**
- Students **---**

**30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any: -**

Sr. No.	Name of the Seminar	Date of Seminar	Funding Agency
1.	National Seminar on “Current Environmental Issues in the Present Scenario”	28.08.2010	PURSE-DST
2.	Seminar cum workshop on “Current Environmental Issues”	28.03.2011	PURSE-DST

**31. Code of ethics for research followed by the departments –  
As per University Rules**

**32. Student profile programme-wise: (Admission of 2011)**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>M.Sc. (Environment Science)</b>	<b>73</b>	<b>5</b>	<b>14</b>	<b>Full</b>	<b>Full</b>

### 33. Diversity of Students (Admission of 2011)

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
M.Sc. Environment Science	79%	10.5%	10.5%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. **NET – 03 (Year 2013)**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	<b>15-20%</b>
Ph.D. to Post-Doctoral	-
Employed	
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	<b>5%</b>
Entrepreneurs	-

### 36. Diversity of staff

Percentage of faculty who are	
<b>graduates</b> of the same university	<b>75%</b>
from other universities within the State	<b>25%</b>
from universities from other States from	-
universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **One**
38. Present details of departmental infrastructural facilities with regard to
- a) Library : **Yes**
  - b) Internet facilities for staff and students : **LAN and Wi-Fi Facility**
  - c) Total number of class rooms : **Two**
  - d) Class rooms with ICT facility: **One**
  - e) Students' laboratories : **One**
  - f) Research laboratories : **None**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university: **One (Post Doctoral), 0 Research Associates (Year 2013); 4 Doctoral.**
  - b) from other institutions/universities : **Six (2 from Other University) (Year 2013)**
40. Number of post graduate students getting financial assistance from the university. **15 (from different government agencies/ sources under government schemes)**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **No**
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **No**
  - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **No**
  - c. alumni and employers on the programmes offered and how does the department utilize the feedback? **No**
43. List the distinguished alumni of the department (maximum 10) --- **N/A**
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. **None**
45. List the teaching methods adopted by the faculty for different programmes. **Use of ICT, Seminars, Discussions and Assignment.**
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : **Students feedback is there.**
47. Highlight the participation of students and faculty in extension activities. **Faculty is engaged in delivering inviting talks / act as a resource person in seminar / symposia**

48. Give details of “beyond syllabus scholarly activities” of the department. **Students are guided to prepare for UGC, ICMR, ARS, SLET, TOEFL, IELTS, GRE tests.**
49. State whether the ~~programme~~/ department is accredited/ graded by other agencies? If yes, give details.  
**Yes, by Haryana State Pollution Control Board.**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
**The department has been instrumental in generating vital information about the usage and bioactivity of essential oil bearing plants for the management of pest, particularly weeds, and their usage as natural antioxidants. Additionally, studies have demonstrated the biochemical and physiological basis of the toxicity of heavy metals towards plants. Work conducted in the department has been able to establish the ecological impacts and mechanism of spread of invasive plants. The research conducted in the department have been instrumental in providing information about the status of the ground water, incidence of heavy metals in the water and soils of various regions of Punjab with relevance to the agricultural productivity and human health. Additionally, work has been conducted to manage the solid waste in an environmentally sustainable manner.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department: -  
a) **Strengths: -Diverse field of expertise of faculty**  
b) **Weaknesses: - Infrastructure**  
c) **Challenges: - to compete with other institutes**
52. Future plans of the department.

#### **Vision**

- To produce skilled and trained future environmentalists for the sustenance of the society
- Develop sustainable Eco technologies for the community development and welfare of society at large

#### **Mission**

- To impart quality knowledge to the students with an overall aim to train them as environmental stewards for sustainable development
- Pursuit of scholarly excellence in the field of environment science
- To spread awareness among the masses about environmental conservation